

UNITED STATES

SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

FORM 10-Q

(Mark One)

☒ QUARTERLY REPORT PURSUANT TO SECTION 13 OR 15 (d) OF THE SECURITIES EXCHANGE ACT OF 1934

For the quarterly period ended September 30, 2017

or

☐ TRANSITION REPORT PURSUANT TO SECTION 13 OR 15 (d) OF THE SECURITIES EXCHANGE ACT OF 1934

For the transition period from to

Commission File Number 1-8036

WEST PHARMACEUTICAL SERVICES, INC.

(Exact name of registrant as specified in its charter)

Pennsylvania

(State or other jurisdiction of incorporation or organization)

23-1210010

(I.R.S. Employer Identification Number)

530 Herman O. West Drive, Exton, PA

(Address of principal executive offices)

19341-0645

(Zip Code)

Registrant’s telephone number, including area code: 610-594-2900

Indicate by check mark whether the registrant (1) has filed all reports required to be filed by Section 13 or 15 (d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days. Yes ☒ No ☐

Indicate by check mark whether the registrant has submitted electronically and posted on its corporate Web site, if any, every Interactive Data File required to be submitted and posted pursuant to Rule 405 of Regulation S-T during the preceding 12 months (or for such shorter period that the registrant was required to submit and post such files). Yes ☒ No ☐

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, smaller reporting company, or an emerging growth company. See the definitions of “large accelerated filer,” “accelerated filer,” “smaller reporting company,” and “emerging growth company” in Rule 12b-2 of the Exchange Act.

Large accelerated filer	<input checked="" type="checkbox"/>	Accelerated filer	<input type="checkbox"/>
Non-accelerated filer	<input type="checkbox"/> (Do not check if a smaller reporting company)	Smaller reporting company	<input type="checkbox"/>
		Emerging growth company	<input type="checkbox"/>

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act. ☐

Indicate by check mark whether the registrant is a shell company (as defined in Rule 12b-2 of the Exchange Act).
Yes ☐ No ☒

As of September 30, 2017, there were 74,252,923 shares of the Registrant’s common stock outstanding.

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PART I. FINANCIAL INFORMATION

ITEM 1. FINANCIAL STATEMENTS

CONDENSED CONSOLIDATED STATEMENTS OF INCOME (UNAUDITED)

West Pharmaceutical Services, Inc. and Subsidiaries
(In millions, except per share data)

	Three Months Ended September 30,		Nine Months Ended September 30,	
	2017	2016	2017	2016
Net sales	\$ 398.2	\$ 376.7	\$ 1,183.5	\$ 1,126.8
Cost of goods and services sold	273.2	255.6	799.4	749.1
Gross profit	125.0	121.1	384.1	377.7
Research and development	9.1	9.0	29.4	27.2
Selling, general and administrative expenses	61.5	58.3	183.7	178.9
Other (income) expense (Note 12)	(9.5)	2.5	3.1	29.1
Operating profit	63.9	51.3	167.9	142.5
Interest expense	1.3	2.2	5.7	6.7
Interest income	0.3	0.2	0.9	0.8
Income before income taxes	62.9	49.3	163.1	136.6
Income tax expense	14.0	14.4	19.1	38.3
Equity in net income of affiliated companies	2.1	2.7	6.7	6.2
Net income	\$ 51.0	\$ 37.6	\$ 150.7	\$ 104.5
Net income per share:				
Basic	\$ 0.69	\$ 0.51	\$ 2.04	\$ 1.43
Diluted	\$ 0.67	\$ 0.50	\$ 1.99	\$ 1.40
Weighted average shares outstanding:				
Basic	74.2	73.3	73.8	73.0
Diluted	75.9	75.0	75.8	74.7
Dividends declared per share	\$ 0.14	\$ 0.13	\$ 0.40	\$ 0.37

See accompanying notes to condensed consolidated financial statements.

CONDENSED CONSOLIDATED STATEMENTS OF COMPREHENSIVE INCOME (UNAUDITED)
West Pharmaceutical Services, Inc. and Subsidiaries
(In millions)

	Three Months Ended September 30,		Nine Months Ended September 30,	
	2017	2016	2017	2016
Net income	\$ 51.0	\$ 37.6	\$ 150.7	\$ 104.5
Other comprehensive income (loss), net of tax:				
Foreign currency translation adjustments	22.5	5.9	64.7	15.9
Defined benefit pension and other postretirement plan adjustments, net of tax of \$(0.3), \$0.3, \$(0.7) and \$0.9, respectively	(0.7)	0.6	(1.6)	2.2
Net loss on investment securities, net of tax of \$(2.9)	—	—	(5.1)	—
Net (loss) gain on derivatives, net of tax of \$(0.2), \$(0.1), \$(0.5) and \$0.4, respectively	(0.6)	—	(1.8)	0.7
Other comprehensive income, net of tax	21.2	6.5	56.2	18.8
Comprehensive income	\$ 72.2	\$ 44.1	\$ 206.9	\$ 123.3

See accompanying notes to condensed consolidated financial statements.

CONDENSED CONSOLIDATED BALANCE SHEETS (UNAUDITED)

West Pharmaceutical Services, Inc. and Subsidiaries
(In millions, except per share data)

	September 30, 2017	December 31, 2016
ASSETS		
Current assets:		
Cash and cash equivalents	\$ 269.3	\$ 203.0
Accounts receivable, net	251.8	200.5
Inventories	215.8	199.3
Other current assets	40.0	39.1
Total current assets	776.9	641.9
Property, plant and equipment	1,701.2	1,554.7
Less: accumulated depreciation and amortization	865.8	776.4
Property, plant and equipment, net	835.4	778.3
Investments in affiliated companies	84.6	82.7
Goodwill	107.1	103.0
Deferred income taxes	87.2	66.2
Intangible assets, net	22.5	23.3
Other noncurrent assets	16.7	21.3
Total Assets	\$ 1,930.4	\$ 1,716.7
LIABILITIES AND EQUITY		
Current liabilities:		
Notes payable and other current debt	\$ 33.2	\$ 2.4
Accounts payable	121.9	122.0
Pension and other postretirement benefits	2.3	2.2
Accrued salaries, wages and benefits	62.9	51.6
Income taxes payable	7.4	4.5
Other current liabilities	72.3	58.3
Total current liabilities	300.0	241.0
Long-term debt	196.6	226.2
Deferred income taxes	8.9	9.2
Pension and other postretirement benefits	62.0	75.6
Other long-term liabilities	46.0	47.2
Total Liabilities	613.5	599.2
Commitments and contingencies (Note 14)		
Equity:		
Preferred stock, 3.0 million shares authorized; 0 shares issued and outstanding	—	—
Common stock, \$0.25 par value; 100.0 million shares authorized; issued: 75.1 million and 73.7 million; outstanding: 74.3 million and 73.1 million	18.7	18.4
Capital in excess of par value	302.9	260.4
Retained earnings	1,188.6	1,071.6
Accumulated other comprehensive loss	(130.6)	(186.8)
Treasury stock, at cost (0.8 million and 0.6 million shares)	(62.7)	(46.1)
Total Equity	1,316.9	1,117.5
Total Liabilities and Equity	\$ 1,930.4	\$ 1,716.7

See accompanying notes to condensed consolidated financial statements.

CONDENSED CONSOLIDATED STATEMENT OF EQUITY (UNAUDITED)

West Pharmaceutical Services, Inc. and Subsidiaries

(In millions)

	Common Stock		Capital in Excess of Par Value	Treasury Stock	Retained earnings	Accumulated other comprehensive (loss) income	Total
	Shares	Amount					
Balance, December 31, 2016	73.7	\$ 18.4	\$ 260.4	\$ (46.1)	\$ 1,071.6	\$ (186.8)	\$ 1,117.5
Effect of modified retrospective application of a new accounting standard (see Note 2)	—	—	—	—	(4.1)	—	(4.1)
Net income	—	—	—	—	150.7	—	150.7
Stock-based compensation	—	—	4.3	7.5	—	—	11.8
Shares issued under stock plans	1.4	0.3	33.9	6.2	—	—	40.4
Shares purchased under share repurchase program	—	—	—	(26.9)	—	—	(26.9)
Shares repurchased for employee tax withholdings	—	—	(0.4)	(3.4)	—	—	(3.8)
Dividends declared	—	—	—	—	(29.6)	—	(29.6)
Other adjustments to capital in excess of par value	—	—	4.7	—	—	—	4.7
Other comprehensive income, net of tax	—	—	—	—	—	56.2	56.2
Balance, 9/30/2017	75.1	\$ 18.7	\$ 302.9	\$ (62.7)	\$ 1,188.6	\$ (130.6)	\$ 1,316.9

See accompanying notes to condensed consolidated financial statements.

CONDENSED CONSOLIDATED STATEMENTS OF CASH FLOWS (UNAUDITED)
West Pharmaceutical Services, Inc. and Subsidiaries
(In millions)

	Nine Months Ended September 30,	
	2017	2016
Cash flows from operating activities:		
Net income	\$ 150.7	\$ 104.5
Adjustments to reconcile net income to net cash provided by operating activities:		
Depreciation	69.9	65.9
Amortization	1.9	2.0
Stock-based compensation	13.6	14.1
Non-cash restructuring charges	—	15.9
Venezuela deconsolidation	11.1	—
Other non-cash items, net	(3.2)	(3.7)
Changes in assets and liabilities	(62.2)	(51.1)
Net cash provided by operating activities	181.8	147.6
Cash flows from investing activities:		
Capital expenditures	(101.3)	(122.7)
Purchase of cost-method investment	—	(8.4)
Cash related to deconsolidated Venezuelan subsidiary	(6.0)	—
Other, net	3.1	2.0
Net cash used in investing activities	(104.2)	(129.1)
Cash flows from financing activities:		
Repayments of long-term debt	(1.8)	(69.2)
Dividend payments	(28.7)	(26.2)
Excess tax benefits from employee stock plans	—	13.9
Shares purchased under share repurchase program	(26.9)	(26.8)
Shares repurchased for employee tax withholdings	(3.8)	(3.7)
Proceeds from exercise of stock options and stock appreciation rights	36.0	21.8
Employee stock purchase plan contributions	3.2	2.8
Contingent consideration payments	(0.5)	(0.1)
Net cash used in financing activities	(22.5)	(87.5)
Effect of exchange rates on cash	11.2	0.3
Net increase (decrease) in cash and cash equivalents	66.3	(68.7)
Cash and cash equivalents at beginning of period	203.0	274.6
Cash and cash equivalents at end of period	\$ 269.3	\$ 205.9

See accompanying notes to condensed consolidated financial statements.

NOTES TO CONDENSED CONSOLIDATED FINANCIAL STATEMENTS (UNAUDITED)

Note 1: Summary of Significant Accounting Policies

Basis of Presentation: The condensed consolidated financial statements included in this report are unaudited and have been prepared in accordance with United States (“U.S.”) generally accepted accounting principles (“U.S. GAAP”) for interim financial reporting and U.S. Securities and Exchange Commission (“SEC”) regulations. The year-end condensed consolidated balance sheet data was derived from audited financial statements, but does not include all disclosures required by U.S. GAAP. Certain information and footnote disclosures normally included in annual financial statements prepared in accordance with U.S. GAAP have been condensed or omitted. In the opinion of management, these financial statements include all adjustments, which are of a normal recurring nature, necessary for a fair statement of the financial position, results of operations, cash flows and the change in equity for the periods presented. The condensed consolidated financial statements for the three and nine months ended September 30, 2017 should be read in conjunction with the consolidated financial statements and notes thereto of West Pharmaceutical Services, Inc. and its majority-owned subsidiaries (which may be referred to as “West”, the “Company”, “we”, “us” or “our”) appearing in our Annual Report on Form 10-K for the year ended December 31, 2016 (the “2016 Annual Report”). The results of operations for any interim period are not necessarily indicative of results for the full year.

As of April 1, 2017, our consolidated financial statements exclude the results of our Venezuelan subsidiary. Please refer to Note 12, *Other (Income) Expense*, for further discussion.

Note 2: New Accounting Standards

Recently Adopted Standards

In January 2017, the Financial Accounting Standards Board (“FASB”) issued guidance which removes the second step of the goodwill impairment test. A goodwill impairment charge will now be the amount by which a reporting unit’s carrying amount exceeds its fair value, not to exceed the total amount of goodwill allocated to that reporting unit. This guidance is effective for fiscal years, and interim periods within those years, beginning after December 15, 2019. Early adoption is permitted. We adopted this guidance as of January 1, 2017, on a prospective basis. The adoption did not have a material impact on our financial statements.

In January 2017, the FASB issued guidance which clarifies the definition of a business to assist entities with evaluating whether transactions should be accounted for as acquisitions (or disposals) of assets or businesses. This guidance is effective for fiscal years, and interim periods within those years, beginning after December 15, 2017. We adopted this guidance as of January 1, 2017, on a prospective basis. The adoption did not have a material impact on our financial statements.

In October 2016, the FASB issued guidance which requires companies to recognize the income tax consequences of an intra-entity transfer of an asset other than inventory when the transfer occurs. This guidance is effective for fiscal years, and interim periods within those years, beginning after December 15, 2017. Early adoption is permitted. We adopted this guidance as of January 1, 2017, on a modified retrospective basis. As a result of the adoption, a cumulative-effect adjustment of \$4.1 million was recorded within retained earnings in our condensed consolidated balance sheet as of January 1, 2017, for unamortized tax expense previously deferred and previously unrecognized deferred tax assets.

In March 2016, the FASB issued guidance that simplifies several aspects of the accounting for share-based payment transactions, including income tax consequences, classification of awards as either equity or liabilities, and classification on the statement of cash flows. We adopted this guidance as of January 1, 2017, on a prospective basis as it relates to the timing or recognition and classification of share-based compensation award-related income tax effects. For the three and nine months ended September 30, 2017, we recorded a tax benefit of \$4.8 million and \$30.3 million, respectively, within income tax expense in our condensed consolidated statement of income. These tax benefits were recorded within capital in excess of par value in our condensed consolidated balance sheet in the

prior-year period. Also per the amended guidance, we classified the \$30.3 million of excess tax benefits within net cash provided by operating activities in our condensed consolidated statement of cash flows, rather than net cash used in financing activities, which included the excess tax benefits for the nine months ended September 30, 2016. The amended guidance allows entities to account for award forfeitures as they occur, however, we have elected to continue to estimate forfeitures expected to occur to determine the amount of compensation cost to be recognized in each period. We expect to record additional tax benefits throughout 2017.

In March 2016, the FASB issued guidance that simplifies the transition to the equity method of accounting. This guidance eliminates the requirement to retroactively adopt the equity method of accounting when there is an increase in the level of ownership interest or degree of influence. We adopted this guidance as of January 1, 2017, on a prospective basis. The adoption did not have a material impact on our financial statements.

In July 2015, the FASB issued guidance regarding the subsequent measurement of inventory. This guidance requires inventory measured using any method other than last-in, first-out or the retail inventory method to be measured at the lower of cost and net realizable value. Net realizable value represents estimated selling prices in the ordinary course of business, less reasonably predictable costs of completion, disposal and transportation. We adopted this guidance as of January 1, 2017, on a prospective basis. The adoption did not have a material impact on our financial statements.

Standards Issued Not Yet Adopted

In August 2017, the FASB issued guidance which expands and refines hedge accounting for both nonfinancial and financial risk components and aligns the recognition and presentation of the effects of the hedging instrument and the hedged item in the financial statements. This guidance is effective for fiscal years, and interim periods within those years, beginning after December 15, 2018. Early adoption is permitted. We are currently evaluating our adoption timing and the impact that this guidance will have on our financial statements.

In May 2017, the FASB issued guidance which amends the scope of modification accounting for share-based payment arrangements. The guidance focuses on changes to the terms or conditions of share-based payment awards that would require the application of modification accounting and specifies that an entity would not apply modification accounting if its fair value, vesting conditions and classification of the awards are the same immediately before and after the modification. This guidance is effective for fiscal years, and interim periods within those years, beginning after December 15, 2017. Early adoption is permitted. We are currently evaluating the impact that this guidance will have on our financial statements.

In March 2017, the FASB issued guidance on the presentation of net periodic pension and postretirement benefit cost (net benefit cost). The guidance requires the bifurcation of net benefit cost. The service cost component will be presented with other employee compensation costs in operating income (or capitalized in assets) and the other components will be reported separately outside of operations, and will not be eligible for capitalization. This guidance is effective for fiscal years, and interim periods within those years, beginning after December 15, 2017. Early adoption is permitted. Upon adoption, we will apply the income statement classification provisions of this guidance retrospectively, and will reclassify net benefit cost components other than service cost from operating income to outside of operations. Net periodic benefit cost for the three and nine months ended September 30, 2017 was \$1.4 million and \$5.3 million, respectively, of which \$2.5 million and \$7.8 million, respectively, related to service cost. This guidance has no impact on net income.

In November 2016, the FASB issued guidance on the classification and presentation of restricted cash in the statement of cash flows. This guidance is effective for fiscal years, and interim periods within those years, beginning after December 15, 2017. Early adoption is permitted. As of September 30, 2017, we had no restricted cash.

In August 2016, the FASB issued guidance to reduce the diversity in how certain cash receipts and cash payments are presented and classified in the statement of cash flows. This guidance is effective for fiscal years, and interim periods within those years, beginning after December 15, 2017. Early adoption is permitted. We are currently evaluating the impact that this guidance will have on our financial statements.

In February 2016, the FASB issued guidance on the accounting for leases. This guidance requires lessees to recognize lease assets and lease liabilities on the balance sheet and to expand disclosures about leasing arrangements, both qualitative and quantitative. In terms of transition, the guidance requires adoption based upon a modified retrospective approach. This guidance is effective for fiscal years, and interim periods within those years, beginning after December 15, 2018. We are currently evaluating the impact that this guidance will have on our financial statements. As of September 30, 2017, future minimum rental payments under non-cancelable operating leases were \$77.6 million.

In January 2016, the FASB issued guidance that addresses certain aspects of recognition, measurement, presentation, and disclosure of financial instruments. This guidance is effective for fiscal years, and interim periods within those years, beginning after December 15, 2017. We believe that the adoption of this guidance will not have a material impact on our financial statements.

In May 2014, the FASB issued guidance on the accounting for revenue from contracts with customers that will supersede most existing revenue recognition guidance, including industry-specific guidance. The core principle requires an entity to recognize revenue to depict the transfer of goods or services to customers in an amount that reflects the consideration to which the entity expects to be entitled in exchange for those goods or services. In addition, the guidance requires enhanced disclosures regarding the nature, timing and uncertainty of revenue and cash flows arising from an entity's contracts with customers. The FASB subsequently issued additional clarifying standards to address issues arising from implementation of the new revenue recognition standard. This guidance is effective for interim and annual reporting periods beginning on or after December 15, 2017. Early adoption is permitted as of one year prior to the current effective date. Entities can choose to apply the guidance using either a full retrospective approach or a modified retrospective approach. Based on the results of the procedures performed through September 30, 2017, which has included a review of a representative sample of our contracts across our reportable segments and revenue streams, we believe that the adoption of this guidance will not have a material impact on our financial statements, particularly as the majority of our net sales relates to the sale of packaging components. We continue to review the impact that the adoption of this guidance will have on our other revenue streams, our financial statement disclosures, as well as our accounting policies, business processes, and internal controls. We expect to apply the guidance using the modified retrospective approach.

Note 3: Net Income Per Share

The following table reconciles the shares used in the calculation of basic net income per share to those used for diluted net income per share:

(In millions)	Three Months Ended September 30,		Nine Months Ended September 30,	
	2017	2016	2017	2016
Net income	\$ 51.0	\$ 37.6	\$ 150.7	\$ 104.5
Weighted average common shares outstanding	74.2	73.3	73.8	73.0
Dilutive effect of equity awards, based on the treasury stock method	1.7	1.7	2.0	1.7
Weighted average shares assuming dilution	75.9	75.0	75.8	74.7

During the three months ended September 30, 2017 and 2016, there were 0.5 million and 0.1 million shares, respectively, from stock-based compensation plans not included in the computation of diluted net income per share because their impact was antidilutive. There were 0.4 million and 0.1 million antidilutive shares outstanding during the nine months ended September 30, 2017 and 2016, respectively.

In December 2016, we announced a share repurchase program authorizing the repurchase of up to 800,000 shares of our common stock from time to time on the open market or in privately-negotiated transactions as permitted under

the Securities Exchange Act of 1934 Rule 10b-18. The number of shares to be repurchased and the timing of such transactions will depend on a variety of factors, including market conditions. The program commenced on January 1, 2017 and is expected to be completed by December 31, 2017. There were no shares purchased during the three months ended September 30, 2017. During the nine months ended September 30, 2017, we purchased 325,000 shares of our common stock under the program at a cost of \$26.9 million, or an average price of \$82.84 per share.

Note 4: Inventories

Inventories are valued at the lower of cost (on a first-in, first-out basis) and net realizable value. Inventory balances were as follows:

(\$ in millions)	September 30, 2017	December 31, 2016
Raw materials	\$ 89.2	\$ 78.0
Work in process	33.7	28.9
Finished goods	92.9	92.4
	<u>\$ 215.8</u>	<u>\$ 199.3</u>

Note 5: Affiliated Companies

At September 30, 2017 and December 31, 2016, the aggregate carrying amount of investments in equity-method affiliates was \$71.2 million and \$69.3 million, respectively, and the aggregate carrying amount of cost-method investments, for which fair value was not readily determinable, was \$13.4 million at both period-ends. We test our cost-method investments for impairment whenever circumstances indicate that the carrying value of the investments may not be recoverable. Please refer to Note 5, *Affiliated Companies*, to the consolidated financial statements in our 2016 Annual Report for additional details.

Note 6: Debt

The following table summarizes our long-term debt obligations, net of unamortized debt issuance costs and current maturities. The interest rates shown in parentheses are as of September 30, 2017.

(\$ in millions)	September 30, 2017	December 31, 2016
Term loan, due January 1, 2018 (2.74%)	\$ 33.1	\$ 34.9
Note payable, due December 31, 2019	0.1	0.2
Credit Facility, due October 15, 2020 (1.00%)	29.3	26.4
Series A notes, due July 5, 2022 (3.67%)	42.0	42.0
Series B notes, due July 5, 2024 (3.82%)	53.0	53.0
Series C notes, due July 5, 2027 (4.02%)	73.0	73.0
	<u>230.5</u>	<u>229.5</u>
Less: unamortized debt issuance costs	<u>0.7</u>	<u>0.9</u>
Total debt	<u>229.8</u>	<u>228.6</u>
Less: current portion of long-term debt	<u>33.2</u>	<u>2.4</u>
Long-term debt, net	<u>\$ 196.6</u>	<u>\$ 226.2</u>

Please refer to Note 8, *Debt*, to the consolidated financial statements in our 2016 Annual Report for additional details regarding our debt agreements.

At September 30, 2017, we had \$29.3 million in outstanding long-term borrowings under our \$300.0 million multi-currency revolving credit facility (the “Credit Facility”), of which \$4.5 million was denominated in Japanese Yen (“Yen”) and \$24.8 million was denominated in Euro. These borrowings, together with outstanding letters of credit of \$3.0 million, resulted in an available borrowing capacity under the Credit Facility of \$267.7 million at September 30, 2017. Please refer to Note 7, *Derivative Financial Instruments*, for a discussion of the foreign currency hedges associated with this facility.

In addition, at September 30, 2017, we had \$33.1 million outstanding under our five-year term loan due January 2018, all of which was classified as current. Please refer to Note 7, *Derivative Financial Instruments*, for a discussion of the interest-rate swap agreement associated with this loan, and please refer to Note 16, *Subsequent Event*, for additional details regarding this loan.

Note 7: Derivative Financial Instruments

Our ongoing business operations expose us to various risks such as fluctuating interest rates, foreign exchange rates and increasing commodity prices. To manage these market risks, we periodically enter into derivative financial instruments such as interest rate swaps, options and foreign exchange contracts for periods consistent with and for notional amounts equal to or less than the related underlying exposures. We do not purchase or hold any derivative financial instruments for investment or trading purposes. All derivatives are recorded in our condensed consolidated balance sheet at fair value.

Interest Rate Risk

At September 30, 2017, we had a \$33.1 million forward-start interest rate swap outstanding that hedges the variability in cash flows due to changes in the applicable interest rate of our variable-rate five-year term loan. Under this swap, we receive variable interest rate payments based on one-month London Interbank Offered Rate (“LIBOR”) plus a margin in return for making monthly fixed interest payments at 5.41%. We designated this swap as a cash flow hedge. Please refer to Note 16, *Subsequent Event*, for additional details regarding this forward-start interest rate swap agreement.

Foreign Exchange Rate Risk

We have entered into forward exchange contracts, designated as fair value hedges, to manage our exposure to fluctuating foreign exchange rates on cross-currency intercompany loans. As of September 30, 2017, the total amount of these forward exchange contracts was €72.5 million and kr83.4 million. As of December 31, 2016, the total amount of these forward exchange contracts was €57.5 million.

In addition, we have entered into several foreign currency contracts, designated as cash flow hedges, for periods of up to eighteen months, intended to hedge the currency risk associated with a portion of our forecasted transactions denominated in foreign currencies. As of September 30, 2017, we had outstanding foreign currency contracts to purchase and sell certain pairs of currencies, as follows:

(in millions)			Sell	
Currency	Purchase	U. S. Dollar (“USD”)	Euro	
USD	46.3	—	41.8	
Yen	5,255.3	28.3	16.6	
Singapore Dollar	29.9	14.6	6.2	

At September 30, 2017, a portion of our debt consisted of borrowings denominated in currencies other than USD. We have designated our €21.0 million (\$24.8 million) Euro-denominated borrowings under our Credit Facility as a hedge of our net investment in certain European subsidiaries. A cumulative foreign currency translation loss of \$1.0 million pre-tax (\$0.6 million after tax) on this debt was recorded within accumulated other comprehensive loss as of

September 30, 2017. We have also designated our ¥500.0 million (\$4.5 million) Yen-denominated borrowings under our Credit Facility as a hedge of our net investment in Daikyo Seiko, Ltd. (“Daikyo”). At September 30, 2017, there was a cumulative foreign currency translation loss on this Yen-denominated debt of \$0.3 million pre-tax (\$0.2 million after tax), which was also included within accumulated other comprehensive loss.

Commodity Price Risk

Many of our proprietary products are made from synthetic elastomers, which are derived from the petroleum refining process. We purchase the majority of our elastomers via long-term supply contracts, some of which contain clauses that provide for surcharges related to fluctuations in crude oil prices. The following economic hedges did not qualify for hedge accounting treatment since they did not meet the highly effective requirement at inception.

In November 2016, we purchased a series of call options for a total of 96,525 barrels of crude oil to mitigate our exposure to such oil-based surcharges and protect operating cash flows with regards to a portion of our forecasted elastomer purchases through November 2017. With these contracts, we may benefit from an increase in crude oil prices, as there is no downward exposure other than the \$0.2 million premium that we paid to purchase the contracts.

During the three months ended September 30, 2017, the loss recorded in cost of goods and services sold related to these call options was less than \$0.1 million. During the nine months ended September 30, 2017, the loss recorded in cost of goods and services sold related to these call options was \$0.2 million.

As of September 30, 2017, we had outstanding contracts to purchase 17,550 barrels of crude oil, at a strike price of \$60 per barrel.

Effects of Derivative Instruments on Financial Position and Results of Operations

Please refer to Note 8, *Fair Value Measurements*, for the balance sheet location and fair values of our derivative instruments as of September 30, 2017 and December 31, 2016.

The following table summarizes the effects of derivative instruments designated as hedges on other comprehensive income (“OCI”) and earnings, net of tax:

	Amount of (Loss) Gain Recognized in OCI for the Three Months Ended September 30,		Amount of Loss (Gain) Reclassified from Accumulated OCI into Income for the Three Months Ended September 30,		Location of Loss (Gain) Reclassified from Accumulated OCI into Income
(\$ in millions)	2017	2016	2017	2016	
Cash Flow Hedges:					
Foreign currency hedge contracts	\$ (0.7)	\$ —	\$ 0.4	\$ —	Net sales
Foreign currency hedge contracts	(0.9)	(0.3)	0.3	—	Cost of goods and services sold
Interest rate swap contracts	—	—	0.2	0.2	Interest expense
Forward treasury locks	—	—	0.1	0.1	Interest expense
Total	\$ (1.6)	\$ (0.3)	\$ 1.0	\$ 0.3	
Net Investment Hedges:					
Foreign currency-denominated debt	\$ (0.5)	\$ (0.2)	\$ —	\$ —	Other (income) expense
Total	\$ (0.5)	\$ (0.2)	\$ —	\$ —	

	Amount of (Loss) Gain Recognized in OCI for the Nine Months Ended September 30,		Amount of Loss (Gain) Reclassified from Accumulated OCI into Income for the Nine Months Ended September 30,		Location of Loss (Gain) Reclassified from Accumulated OCI into Income
(\$ in millions)	2017	2016	2017	2016	
Cash Flow Hedges:					
Foreign currency hedge contracts	\$ (1.6)	\$ (0.3)	\$ 0.7	\$ 0.1	Net sales
Foreign currency hedge contracts	(2.0)	0.3	0.4	—	Cost of goods and services sold
Interest rate swap contracts	—	(0.2)	0.5	0.6	Interest expense
Forward treasury locks	—	—	0.2	0.2	Interest expense
Total	\$ (3.6)	\$ (0.2)	\$ 1.8	\$ 0.9	
Net Investment Hedges:					
Foreign currency-denominated debt	\$ (1.7)	\$ (1.3)	\$ —	\$ —	Other (income) expense
Total	\$ (1.7)	\$ (1.3)	\$ —	\$ —	

For the three and nine months ended September 30, 2017 and 2016, there was no material ineffectiveness related to our hedges.

Note 8: Fair Value Measurements

Fair value is defined as the price that would be received to sell an asset or paid to transfer a liability (an exit price) in the principal or most advantageous market for the asset or liability in an orderly transaction between market participants on the measurement date. The following fair value hierarchy classifies the inputs to valuation techniques used to measure fair value into one of three levels:

- Level 1: Unadjusted quoted prices in active markets for identical assets or liabilities.
- Level 2: Inputs other than quoted prices that are observable for the asset or liability, either directly or indirectly. These include quoted prices for similar assets or liabilities in active markets and quoted prices for identical or similar assets or liabilities in markets that are not active.
- Level 3: Unobservable inputs that reflect the reporting entity’s own assumptions.

The following tables present the assets and liabilities recorded at fair value on a recurring basis:

(\$ in millions)	Balance at September 30, 2017	Basis of Fair Value Measurements		
		Level 1	Level 2	Level 3
<u>Assets:</u>				
Deferred compensation assets	\$ 8.5	\$ 8.5	\$ —	\$ —
Foreign currency contracts	1.0	—	1.0	—
	<u>\$ 9.5</u>	<u>\$ 8.5</u>	<u>\$ 1.0</u>	<u>\$ —</u>
<u>Liabilities:</u>				
Contingent consideration	\$ 8.0	\$ —	\$ —	\$ 8.0
Deferred compensation liabilities	9.5	9.5	—	—
Interest rate swap contract	0.2	—	0.2	—
Foreign currency contracts	4.7	—	4.7	—
	<u>\$ 22.4</u>	<u>\$ 9.5</u>	<u>\$ 4.9</u>	<u>\$ 8.0</u>

(\$ in millions)	Balance at December 31, 2016	Basis of Fair Value Measurements		
		Level 1	Level 2	Level 3
<u>Assets:</u>				
Deferred compensation assets	\$ 7.4	\$ 7.4	\$ —	\$ —
Foreign currency contracts	0.2	—	0.2	—
	<u>\$ 7.6</u>	<u>\$ 7.4</u>	<u>\$ 0.2</u>	<u>\$ —</u>
<u>Liabilities:</u>				
Contingent consideration	\$ 8.0	\$ —	\$ —	\$ 8.0
Deferred compensation liabilities	8.4	8.4	—	—
Interest rate swap contract	1.0	—	1.0	—
Foreign currency contracts	1.6	—	1.6	—
	<u>\$ 19.0</u>	<u>\$ 8.4</u>	<u>\$ 2.6</u>	<u>\$ 8.0</u>

Deferred compensation assets are included within other noncurrent assets and are valued using a market approach based on quoted market prices in an active market. The fair value of our foreign currency contracts, included within other current assets and other current liabilities, is valued using an income approach based on quoted forward foreign exchange rates and spot rates at the reporting date. The fair value of our contingent consideration, included within other current and other long-term liabilities, is discussed further in the section related to Level 3 fair value measurements. The fair value of deferred compensation liabilities is based on quoted prices of the underlying employees' investment selections and is included within other long-term liabilities. Our interest rate swap, included within other current and other long-term liabilities, is valued based on the terms of the contract and observable market inputs (i.e., LIBOR, Eurodollar synthetic forwards and swap spreads). Please refer to Note 7, *Derivative Financial Instruments*, for further discussion of our derivatives.

Level 3 Fair Value Measurements

The fair value of the contingent consideration liability related to the SmartDose® technology platform (the “SmartDose contingent consideration”) was initially determined using a probability-weighted income approach, and is revalued at each reporting date or more frequently if circumstances dictate. Changes in the fair value of this obligation are recorded as income or expense within other (income) expense in our condensed consolidated

statements of income. The significant unobservable inputs used in the fair value measurement of the SmartDose contingent consideration are the sales projections, the probability of success factors, and the discount rate. Significant increases or decreases in any of those inputs in isolation would result in a significantly lower or higher fair value measurement. As development and commercialization of the SmartDose technology platform progresses, we may need to update the sales projections, the probability of success factors, and the discount rate used. This could result in a material increase or decrease to the SmartDose contingent consideration.

The following table provides a summary of changes in our Level 3 fair value measurements:

	(\$ in millions)
Balance, December 31, 2015	\$ 6.0
Increase in fair value recorded in earnings	2.3
Payments	(0.3)
Balance, December 31, 2016	8.0
Increase in fair value recorded in earnings	0.5
Payments	(0.5)
Balance, September 30, 2017	\$ 8.0

Other Financial Instruments

We believe that the carrying amounts of our cash and cash equivalents and accounts receivable approximate their fair values due to their near-term maturities.

The estimated fair value of long-term debt is based on quoted market prices for debt issuances with similar terms and maturities and is classified as Level 2 within the fair value hierarchy. At September 30, 2017, the estimated fair value of long-term debt was \$201.0 million compared to a carrying amount of \$196.6 million. At December 31, 2016, the estimated fair value of long-term debt was \$228.3 million and the carrying amount was \$226.2 million.

Note 9: Stock-Based Compensation

The West Pharmaceutical Services, Inc. 2016 Omnibus Incentive Compensation Plan (the “2016 Plan”) provides for the granting of stock options, stock appreciation rights, restricted stock awards and performance awards to employees and non-employee directors. A committee of the Board of Directors determines the terms and conditions of awards to be granted. Vesting requirements vary by award. At September 30, 2017, there were 4,602,225 shares remaining in the 2016 Plan for future grants.

During the nine months ended September 30, 2017, we granted 443,936 stock options at a weighted average exercise price of \$83.88 per share based on the grant-date fair value of our stock to key employees under the 2016 Plan. The weighted average grant date fair value of options granted was \$18.04 per share as determined by the Black-Scholes option valuation model using the following weighted average assumptions: a risk-free interest rate of 2.04%; expected life of 5.9 years based on prior experience; stock volatility of 19.9% based on historical data; and a dividend yield of 0.7%. Stock option expense is recognized over the vesting period, net of forfeitures.

During the nine months ended September 30, 2017, we granted 91,803 performance share unit (“PSU”) awards at a weighted average grant-date fair value of \$83.97 per share to key employees under the 2016 Plan. Each PSU award entitles the holder to one share of our common stock if the annual growth rate of revenue and return on invested capital targets are achieved over a three-year performance period. Shares earned under PSU awards may vary from 0% to 200% of an employee’s targeted award. The fair value of PSU awards is based on the market price of our stock at the grant date and is recognized as expense over the performance period, adjusted for estimated target outcomes and net of forfeitures.

Total stock-based compensation expense for both the three months ended September 30, 2017 and 2016 was \$4.6 million. For the nine months ended September 30, 2017 and 2016, stock-based compensation expense was \$13.6 million and \$14.1 million, respectively.

Note 10: Benefit Plans

The components of net periodic benefit cost for the three months ended September 30 were as follows (\$ in millions):

	Pension benefits		Other retirement benefits		Total	
	2017	2016	2017	2016	2017	2016
Service cost	\$ 2.5	\$ 2.3	\$ —	\$ 0.1	\$ 2.5	\$ 2.4
Interest cost	2.4	2.7	—	0.1	2.4	2.8
Expected return on assets	(3.4)	(3.1)	—	—	(3.4)	(3.1)
Amortization of prior service credit	(0.3)	(0.3)	(0.1)	—	(0.4)	(0.3)
Recognized actuarial losses (gains)	1.2	1.3	(0.9)	(0.3)	0.3	1.0
Net periodic benefit cost	<u>\$ 2.4</u>	<u>\$ 2.9</u>	<u>\$ (1.0)</u>	<u>\$ (0.1)</u>	<u>\$ 1.4</u>	<u>\$ 2.8</u>

	Pension benefits		Other retirement benefits		Total	
	2017	2016	2017	2016	2017	2016
U.S. plans	\$ 1.7	\$ 2.3	\$ (1.0)	\$ (0.1)	\$ 0.7	\$ 2.2
International plans	0.7	0.6	—	—	0.7	0.6
Net periodic benefit cost	<u>\$ 2.4</u>	<u>\$ 2.9</u>	<u>\$ (1.0)</u>	<u>\$ (0.1)</u>	<u>\$ 1.4</u>	<u>\$ 2.8</u>

The components of net periodic benefit cost for the nine months ended September 30 were as follows (\$ in millions):

	Pension benefits		Other retirement benefits		Total	
	2017	2016	2017	2016	2017	2016
Service cost	\$ 7.8	\$ 7.6	\$ —	\$ 0.4	\$ 7.8	\$ 8.0
Interest cost	7.3	7.9	0.2	0.3	7.5	8.2
Expected return on assets	(10.1)	(9.5)	—	—	(10.1)	(9.5)
Amortization of transition obligation	—	0.1	—	—	—	0.1
Amortization of prior service credit	(1.0)	(1.0)	(0.5)	—	(1.5)	(1.0)
Recognized actuarial losses (gains)	3.6	3.6	(2.0)	(1.0)	1.6	2.6
Net periodic benefit cost	<u>\$ 7.6</u>	<u>\$ 8.7</u>	<u>\$ (2.3)</u>	<u>\$ (0.3)</u>	<u>\$ 5.3</u>	<u>\$ 8.4</u>

	Pension benefits		Other retirement benefits		Total	
	2017	2016	2017	2016	2017	2016
U.S. plans	\$ 5.5	\$ 6.9	\$ (2.3)	\$ (0.3)	\$ 3.2	\$ 6.6
International plans	2.1	1.8	—	—	2.1	1.8
Net periodic benefit cost	<u>\$ 7.6</u>	<u>\$ 8.7</u>	<u>\$ (2.3)</u>	<u>\$ (0.3)</u>	<u>\$ 5.3</u>	<u>\$ 8.4</u>

During the nine months ended September 30, 2017, we contributed \$20.0 million to our U.S. qualified pension plan.

Effective January 1, 2019, except for interest crediting, benefit accruals under our U.S. qualified and non-qualified defined benefit pension plans will cease.

Note 11: Accumulated Other Comprehensive Loss

The following table presents the changes in the components of accumulated other comprehensive loss, net of tax, for the nine months ended September 30, 2017:

(\$ in millions)	Losses on cash flow hedges	Unrealized gains on investment securities	Defined benefit pension and other postretirement plans	Foreign currency translation	Total
Balance, December 31, 2016	\$ (3.2)	\$ 5.2	\$ (45.4)	\$ (143.4)	\$ (186.8)
Other comprehensive (loss) income before reclassifications	(3.6)	(5.1)	(1.8)	64.7	54.2
Amounts reclassified out	1.8	—	0.2	—	2.0
Other comprehensive (loss) income, net of tax	(1.8)	(5.1)	(1.6)	64.7	56.2
Balance, September 30, 2017	\$ (5.0)	\$ 0.1	\$ (47.0)	\$ (78.7)	\$ (130.6)

A summary of the reclassifications out of accumulated other comprehensive loss is presented in the following table (\$ in millions):

Detail of components	Three Months Ended September 30,		Nine Months Ended September 30,		Location on Statement of Income
	2017	2016	2017	2016	
Losses on cash flow hedges:					
Foreign currency contracts	\$ (0.5)	\$ —	\$ (0.8)	\$ —	Net sales
Foreign currency contracts	(0.5)	(0.1)	(0.6)	(0.2)	Cost of goods and services sold
Interest rate swap contracts	(0.2)	(0.3)	(0.7)	(1.0)	Interest expense
Forward treasury locks	(0.1)	(0.1)	(0.3)	(0.2)	Interest expense
Total before tax	(1.3)	(0.5)	(2.4)	(1.4)	
Tax expense	0.3	0.2	0.6	0.5	
Net of tax	\$ (1.0)	\$ (0.3)	\$ (1.8)	\$ (0.9)	
Amortization of defined benefit pension and other postretirement plans:					
Transition obligation	\$ —	\$ —	\$ —	\$ (0.1)	(a)
Prior service credit	0.4	0.3	1.5	1.0	(a)
Actuarial losses	(0.3)	(1.0)	(1.6)	(2.6)	(a)
Total before tax	0.1	(0.7)	(0.1)	(1.7)	
Tax expense	(0.1)	0.2	(0.1)	0.6	
Net of tax	\$ —	\$ (0.5)	\$ (0.2)	\$ (1.1)	
Total reclassifications for the period, net of tax	\$ (1.0)	\$ (0.8)	\$ (2.0)	\$ (2.0)	

(a) These components are included in the computation of net periodic benefit cost. Please refer to Note 10, *Benefit Plans*, for additional details.

Note 12: Other (Income) Expense

Other (income) expense consists of:

(\$ in millions)	Three Months Ended September 30,		Nine Months Ended September 30,	
	2017	2016	2017	2016
Restructuring and related charges:				
Severance and post-employment benefits	\$ —	\$ 1.4	\$ —	\$ 7.8
Asset-related charges	—	0.9	—	15.9
Total restructuring and related charges	—	2.3	—	23.7
Venezuela currency devaluation	—	—	—	2.7
Venezuela deconsolidation	—	—	11.1	—
Development and licensing income	(9.5)	(0.4)	(10.3)	(1.2)
Contingent consideration costs	(0.2)	—	0.5	1.9
Other items	0.2	0.6	1.8	2.0
Total other (income) expense	\$ (9.5)	\$ 2.5	\$ 3.1	\$ 29.1

Restructuring and Related Charges

On February 15, 2016, our Board of Directors approved a restructuring plan designed to repurpose several of our production facilities in support of growing high-value proprietary products and to realign operational and commercial activities to meet the needs of our new market-focused commercial organization.

During the three months ended September 30, 2016, we recorded \$2.3 million in restructuring and related charges, consisting of \$1.4 million for severance charges and \$0.9 million for a non-cash asset write-down associated with the discontinued use of certain equipment. During the nine months ended September 30, 2016, we incurred \$23.7 million in restructuring and related charges, consisting of \$7.8 million for severance charges, \$10.0 million for a non-cash asset write-down associated with the discontinued use of a trademark, and \$5.9 million for non-cash asset write-downs associated with the discontinued use of a patent and certain equipment.

The following table presents activity related to our restructuring obligations:

(\$ in millions)	Severance and benefits	Asset-related charges	Other charges	Total
Balance, December 31, 2015	\$ —	\$ —	\$ —	\$ —
Charges	8.9	17.3	0.2	26.4
Cash payments	(3.0)	—	—	(3.0)
Non-cash asset write-downs	—	(17.3)	(0.2)	(17.5)
Balance, December 31, 2016	5.9	—	—	5.9
Cash payments	(2.9)	—	—	(2.9)
Balance, 9/30/2017	\$ 3.0	\$ —	\$ —	\$ 3.0

The balance of the charges related to this plan will be recognized as incurred in 2017.

Other Items

On February 17, 2016, the Venezuelan government announced a devaluation of the Bolivar, from the previously-prevailing official exchange rate of 6.3 Bolivars to USD to 10.0 Bolivars to USD, and streamlined the previous

three-tiered currency exchange mechanism into a dual currency exchange mechanism. As a result, during the nine months ended September 30, 2016, we recorded a \$2.7 million charge. During the nine months ended September 30, 2017, as a result of the continued deterioration of conditions in Venezuela as well as our continued reduced access to USD settlement controlled by the Venezuelan government, we recorded a charge of \$11.1 million related to the deconsolidation of our Venezuelan subsidiary, following our determination that we no longer met the U.S. GAAP criteria for control of that subsidiary. This charge included the derecognition of the carrying amounts of our Venezuelan subsidiary's assets and liabilities, as well as the write-off of our investment in our Venezuelan subsidiary, related unrealized translation adjustments and the elimination of intercompany accounts. As of April 1, 2017, our consolidated financial statements exclude the results of our Venezuelan subsidiary. We will continue to actively monitor the political and economic developments in Venezuela.

In addition, during the three and nine months ended September 30, 2017, we recognized development and licensing income of \$9.5 million and \$10.3 million, respectively, within Proprietary Products. During the three and nine months ended September 30, 2017, we recorded income of \$9.1 million attributable to the reimbursement of certain costs related to a technology that we subsequently licensed to a third party. The license of technology to the third party may result in additional income in the future, contingent on commercialization of the related product. During both the three and nine months ended September 30, 2017 and 2016, we recorded income of \$0.4 million and \$1.2 million related to a nonrefundable customer payment of \$20.0 million received in June 2013 in return for the exclusive use of the SmartDose technology platform within a specific therapeutic area. As of September 30, 2017, there was \$13.2 million of unearned income related to this payment, of which \$1.5 million was included in other current liabilities and \$11.7 million was included in other long-term liabilities. The unearned income is being recognized as income on a straight-line basis over the remaining term of the agreement. The agreement does not include a future minimum purchase commitment from the customer.

Contingent consideration costs represent changes in the fair value of the SmartDose contingent consideration. Please refer to Note 8, *Fair Value Measurements*, for additional details.

Other items consist of foreign exchange transaction gains and losses, gains and losses on the sale of fixed assets, and miscellaneous income and charges.

Note 13: Income Taxes

The tax provision for interim periods is determined using the estimated annual effective consolidated tax rate, based on the current estimate of full-year earnings before taxes, adjusted for the impact of discrete quarterly items. The provision for income taxes was \$14.0 million and \$14.4 million for the three months ended September 30, 2017 and 2016, respectively, and the effective tax rate was 22.3% and 29.3%, respectively. The provision for income taxes was \$19.1 million and \$38.3 million for the nine months ended September 30, 2017 and 2016, respectively, and the effective tax rate was 11.7% and 28.1%, respectively.

The decrease in the effective tax rate for the three and nine months ended September 30, 2017, as compared to the same periods in 2016, reflects the impact of a tax benefit of \$4.8 million and \$30.3 million for the three and nine months ended September 30, 2017, respectively, associated with our adoption of the guidance issued by the FASB regarding share-based payment transactions. Please refer to Note 2, *New Accounting Standards*, for further discussion of the new accounting guidance. The decrease in the effective tax rate for the nine months ended September 30, 2017, as compared to the same period in 2016, also reflects the impact of a tax benefit of \$3.5 million related to a planned repatriation of approximately \$65.0 million of cash held by non-U.S. subsidiaries during 2017. During the three months ended September 30, 2017, we repatriated \$55.3 million of cash held by non-U.S. subsidiaries. During the remainder of 2017, we intend to repatriate approximately \$10.0 million of additional cash held by non-U.S. subsidiaries.

Note 14: Commitments and Contingencies

From time to time, we are involved in product liability matters and other legal proceedings and claims generally incidental to our normal business activities. We accrue for loss contingencies when it is probable that a liability has

been incurred and the amount of the loss can be reasonably estimated. While the outcome of current proceedings cannot be accurately predicted, we believe their ultimate resolution should not have a material adverse effect on our business, financial condition, results of operations or liquidity.

There have been no significant changes to the commitments and contingencies included in our 2016 Annual Report.

Note 15: Segment Information

Our business operations are organized into two reportable segments, Proprietary Products and Contract-Manufactured Products. Our Proprietary Products reportable segment develops commercial, operational, and innovation strategies across our global network, with specific emphasis on product offerings to biotechnology, generics, and pharmaceutical customers. Our Contract-Manufactured Products reportable segment serves as a fully integrated business focused on the design, manufacture, and automated assembly of complex devices, primarily for pharmaceutical, diagnostic, and medical device customers.

Segment operating profit excludes general corporate costs, which include executive and director compensation, stock-based compensation, adjustments to annual incentive plan expense for over- or under-attainment of targets, certain pension and other retirement benefit costs, and other corporate facilities and administrative expenses not allocated to the segments. Also excluded are items that we consider not representative of ongoing operations. Such items are referred to as other unallocated items and generally include restructuring and related charges, certain asset impairments and other specifically-identified income or expense items.

The following table presents information about our reportable segments, reconciled to consolidated totals:

(\$ in millions)	Three Months Ended September 30,		Nine Months Ended September 30,	
	2017	2016	2017	2016
Net sales:				
Proprietary Products	\$ 308.9	\$ 298.1	\$ 930.5	\$ 899.9
Contract-Manufactured Products	89.3	79.0	253.3	227.8
Intersegment sales elimination	—	(0.4)	(0.3)	(0.9)
Consolidated net sales	<u>\$ 398.2</u>	<u>\$ 376.7</u>	<u>\$ 1,183.5</u>	<u>\$ 1,126.8</u>
Operating profit (loss):				
Proprietary Products	\$ 67.0	\$ 57.5	\$ 188.2	\$ 185.6
Contract-Manufactured Products	10.8	8.9	30.1	25.6
Corporate	(13.9)	(12.8)	(39.3)	(42.3)
Other unallocated items	—	(2.3)	(11.1)	(26.4)
Total operating profit	<u>\$ 63.9</u>	<u>\$ 51.3</u>	<u>\$ 167.9</u>	<u>\$ 142.5</u>
Interest expense	1.3	2.2	5.7	6.7
Interest income	0.3	0.2	0.9	0.8
Income before income taxes	<u>\$ 62.9</u>	<u>\$ 49.3</u>	<u>\$ 163.1</u>	<u>\$ 136.6</u>

The intersegment sales elimination, which is required for the presentation of consolidated net sales, represents the elimination of components sold between our segments.

Other unallocated items, during the nine months ended September 30, 2017, consisted of a charge of \$11.1 million related to the deconsolidation of our Venezuelan subsidiary. Other unallocated items, during the three and nine months ended September 30, 2016, consisted of \$2.3 million and \$23.7 million, respectively, in restructuring and related charges. In addition, during the nine months ended September 30, 2016, other unallocated items included a charge of \$2.7 million related to the devaluation of the Venezuelan Bolivar from the previously-prevailing official

exchange rate of 6.3 Bolivars to USD to 10.0 Bolivars to USD. Please refer to Note 12, *Other (Income) Expense*, for further discussion of these items.

Note 16: Subsequent Event

On October 2, 2017, we paid our \$33.1 million five-year term loan due January 2018 and terminated the associated interest-rate swap agreement. There was no material gain or loss on the extinguishment of this loan.

ITEM 2. MANAGEMENT’S DISCUSSION AND ANALYSIS OF FINANCIAL CONDITION AND RESULTS OF OPERATIONS

OVERVIEW

The following discussion is intended to further the reader's understanding of the consolidated financial condition and results of operations of our Company. It should be read in conjunction with our condensed consolidated financial statements and accompanying notes elsewhere in this Quarterly Report on Form 10-Q (“Form 10-Q”) as well as Management’s Discussion and Analysis of Financial Condition and Results of Operations and the consolidated financial statements and accompanying notes included in our 2016 Annual Report. Our historical financial statements may not be indicative of our future performance. This Management’s Discussion and Analysis of Financial Condition and Results of Operations contains a number of forward-looking statements, all of which are based on our current expectations and could be affected by the uncertainties and risks discussed in Part I, Item 1A of our 2016 Annual Report and in Part II, Item 1A of this Form 10-Q.

Throughout this section, references to “Notes” refer to the notes to our condensed consolidated financial statements (unaudited) in Part I, Item 1 of this Form 10-Q, unless otherwise indicated.

Non-U.S. GAAP Financial Measures

For the purpose of aiding the comparison of our year-over-year results, we may refer to net sales and other financial results excluding the effects of changes in foreign currency exchange rates. The constant-currency amounts are calculated by translating the current year’s functional currency results at the prior-year period's exchange rate. We may also refer to consolidated operating profit and consolidated operating profit margin excluding the effects of unallocated items. The re-measured results excluding effects from currency translation and excluding the effects of unallocated items are not in conformity with U.S. GAAP and should not be used as a substitute for the comparable U.S. GAAP financial measures. The non-U.S. GAAP financial measures are incorporated into our discussion and analysis as management uses them in evaluating our results of operations, and believes that this information provides users a valuable insight into our results.

Our Operations

We are a manufacturer of packaging components and delivery systems for injectable drugs and healthcare products. Our products include vial containment solutions, prefillable systems, self-injection platforms, cartridge systems and components, reconstitution and transfer systems, intradermal delivery solutions, specialty components, and contract manufacturing and analytical services. Our customers include the leading biotechnology, generics, pharmaceutical, diagnostic, and medical device companies in the world. The Company was incorporated under the laws of the Commonwealth of Pennsylvania on July 27, 1923.

Our business operations are organized into two reportable segments, Proprietary Products and Contract-Manufactured Products. Our Proprietary Products reportable segment develops commercial, operational, and innovation strategies across our global network, with specific emphasis on product offerings to biotechnology, generics, and pharmaceutical customers. Our Contract-Manufactured Products reportable segment serves as a fully integrated business focused on the design, manufacture, and automated assembly of complex devices, primarily for pharmaceutical, diagnostic, and medical device customers. We also maintain global partnerships to share technologies and market products with affiliates in Japan and Mexico.

2017 Financial Performance Summary

Consolidated net sales increased by \$21.5 million, or 5.7%, for the three months ended September 30, 2017, as compared to the same period in 2016. Excluding foreign currency translation effects, consolidated net sales for the three months ended September 30, 2017 increased by \$13.8 million, or 3.7%, as compared to the same period in 2016.

Consolidated net sales increased by \$56.7 million, or 5.0%, for the nine months ended September 30, 2017, as compared to the same period in 2016. Excluding foreign currency translation effects, consolidated net sales for the nine months ended September 30, 2017 increased by \$60.4 million, or 5.4%, as compared to the same period in 2016.

Consolidated operating profit increased by \$12.6 million, or 24.6%, and \$25.4 million, or 17.8%, for the three and nine months ended September 30, 2017, as compared to the same periods in 2016, as we recorded income of \$9.1 million attributable to the reimbursement of certain costs related to a technology that we subsequently licensed to a third party during the three and nine months ended September 30, 2017. Please refer to Note 12, *Other (Income) Expense*, for further discussion of this item.

Net income per diluted share was \$0.67 for the three months ended September 30, 2017, as compared to \$0.50 in the same period in 2016. Results for the three months ended September 30, 2017 included the impact of a tax benefit of \$0.06 per diluted share associated with our adoption of the guidance issued by the FASB regarding share-based payment transactions. Results for the three months ended September 30, 2016 included restructuring and related charges and a discrete tax charge, which reduced net income per diluted share by \$0.02 and \$0.01, respectively.

Net income per diluted share was \$1.99 for the nine months ended September 30, 2017, as compared to \$1.40 in the same period in 2016. Results for the nine months ended September 30, 2017 included the impact of a tax benefit of \$0.40 per diluted share associated with our adoption of the guidance issued by the FASB regarding share-based payment transactions and a charge related to the deconsolidation of our Venezuelan subsidiary, which reduced net income per diluted share by \$0.15. Results for the nine months ended September 30, 2016 included the impact of restructuring and related charges, a charge related to the devaluation of the Venezuelan Bolivar, and a discrete tax charge, which reduced net income per diluted share by \$0.21, \$0.03, and \$0.01, respectively.

At September 30, 2017, our cash and cash equivalents balance totaled \$269.3 million and our available borrowing capacity under our Credit Facility was \$267.7 million.

RESULTS OF OPERATIONS

We evaluate the performance of our segments based upon, among other things, segment net sales and operating profit. Segment operating profit excludes general corporate costs, which include executive and director compensation, stock-based compensation, adjustments to annual incentive plan expense for over- or under-attainment of targets, certain pension and other retirement benefit costs, and other corporate facilities and administrative expenses not allocated to the segments. Also excluded are items that we consider not representative of ongoing operations. Such items are referred to as other unallocated items and generally include restructuring and related charges, certain asset impairments and other specifically-identified income or expense items.

Percentages in the following tables and throughout the *Results of Operations* section may reflect rounding adjustments.

Net Sales

The following table presents net sales, consolidated and by reportable segment, for the three months ended September 30, 2017 and 2016:

(\$ in millions)	Three Months Ended September 30,		% Change	
	2017	2016	As-Reported	Ex-Currency
Proprietary Products	\$ 308.9	\$ 298.1	3.6%	1.5%
Contract-Manufactured Products	89.3	79.0	13.1%	11.5%
Intersegment sales elimination	—	(0.4)	—	—
Consolidated net sales	\$ 398.2	\$ 376.7	5.7%	3.7%

Consolidated net sales increased by \$21.5 million, or 5.7%, for the three months ended September 30, 2017, as compared to the same period in 2016, including a favorable foreign currency translation impact of \$7.7 million. Excluding foreign currency translation effects, consolidated net sales for the three months ended September 30, 2017 increased by \$13.8 million, or 3.7%, as compared to the same period in 2016.

Proprietary Products – Proprietary Products net sales increased by \$10.8 million, or 3.6%, for the three months ended September 30, 2017, as compared to the same period in 2016, including a favorable foreign currency translation impact of \$6.4 million. Excluding foreign currency translation effects, net sales for the three months ended September 30, 2017 increased by \$4.4 million, or 1.5%, as compared to the same period in 2016. Proprietary Products sales growth in 2017 has been slower than in 2016, as customers continue to work down inventory purchased in 2016 mostly to address long production lead-times for high-value products. Additional production capacity and staffing have improved our lead-times, and we are beginning to see positive growth in 2017 for customers in the Generics and Biologics market units.

Contract-Manufactured Products – Contract-Manufactured Products net sales increased by \$10.3 million, or 13.1%, for the three months ended September 30, 2017, as compared to the same period in 2016, including a favorable foreign currency translation impact of \$1.3 million. Excluding foreign currency translation effects, net sales for the three months ended September 30, 2017 increased by \$9.0 million, or 11.5%, as compared to the same period in 2016, primarily due to the initial commercial ramp-up of projects that commenced in the latter half of 2016. Higher sales volume contributed 10.3 percentage points of the increase, and sales price increases contributed 1.2 percentage points of the increase.

The intersegment sales elimination, which is required for the presentation of consolidated net sales, represents the elimination of components sold between our segments.

The following table presents net sales, consolidated and by reportable segment, for the nine months ended September 30, 2017 and 2016:

(\$ in millions)	Nine Months Ended September 30,		% Change	
	2017	2016	As-Reported	Ex-Currency
Proprietary Products	\$ 930.5	\$ 899.9	3.4%	3.8%
Contract-Manufactured Products	253.3	227.8	11.2%	11.1%
Intersegment sales elimination	(0.3)	(0.9)	—	—
Consolidated net sales	\$ 1,183.5	\$ 1,126.8	5.0%	5.4%

Consolidated net sales increased by \$56.7 million, or 5.0%, for the nine months ended September 30, 2017, as compared to the same period in 2016, including an unfavorable foreign currency translation impact of \$3.7 million. Excluding foreign currency translation effects, consolidated net sales for the nine months ended September 30, 2017 increased by \$60.4 million, or 5.4%, as compared to the same period in 2016.

Proprietary Products – Proprietary Products net sales increased by \$30.6 million, or 3.4%, for the nine months ended September 30, 2017, as compared to the same period in 2016, including an unfavorable foreign currency translation impact of \$3.9 million. Excluding foreign currency translation effects, net sales for the nine months ended September 30, 2017 increased by \$34.5 million, or 3.8%, as compared to the same period in 2016, for the same reasons included in the three months ended September 30, 2017 discussion above. Sales volume contributed 3.2 percentage points of the increase, and sales price increases contributed 0.6 percentage points of the increase.

Contract-Manufactured Products – Contract-Manufactured Products net sales increased by \$25.5 million, or 11.2%, for the nine months ended September 30, 2017, as compared to the same period in 2016, including a favorable foreign currency translation impact of \$0.2 million. Excluding foreign currency translation effects, net sales for the nine months ended September 30, 2017 increased by \$25.3 million, or 11.1%, as compared to the same period in 2016, primarily due to the initial commercial ramp-up of projects that commenced in the latter half of 2016. Higher sales volume contributed 9.7 percentage points of the increase, and sales price increases contributed 1.4 percentage points of the increase.

The intersegment sales elimination, which is required for the presentation of consolidated net sales, represents the elimination of components sold between our segments.

Gross Profit

The following table presents gross profit and related gross profit margins, consolidated and by reportable segment:

(\$ in millions)	Three Months Ended September 30,		Nine Months Ended September 30,	
	2017	2016	2017	2016
Proprietary Products:				
Gross Profit	\$ 110.5	\$ 108.4	\$ 342.5	\$ 340.9
Gross Profit Margin	35.8%	36.4%	36.8%	37.9%
Contract-Manufactured Products:				
Gross Profit	\$ 14.5	\$ 12.7	\$ 41.6	\$ 36.8
Gross Profit Margin	16.3%	16.0%	16.5%	16.1%
Consolidated Gross Profit	\$ 125.0	\$ 121.1	\$ 384.1	\$ 377.7
Consolidated Gross Profit Margin	31.4%	32.1%	32.5%	33.5%

Consolidated gross profit increased by \$3.9 million, or 3.2%, for the three months ended September 30, 2017, as compared to the same period in 2016, including a favorable foreign currency translation impact of \$2.1 million. Consolidated gross profit margin decreased by 0.7 margin points for the three months ended September 30, 2017, as compared to the same period in 2016.

Consolidated gross profit increased by \$6.4 million, or 1.7%, for the nine months ended September 30, 2017, as compared to the same period in 2016, including an unfavorable foreign currency translation impact of \$1.1 million. Consolidated gross profit margin decreased by 1.0 margin points for the nine months ended September 30, 2017, as compared to the same period in 2016.

Proprietary Products – Proprietary Products gross profit increased by \$2.1 million, or 1.9%, and \$1.6 million, or 0.5%, for the three and nine months ended September 30, 2017, respectively, as compared to the same periods in

2016, including a favorable foreign currency translation impact of \$2.0 million for the three months ended September 30, 2017 and an unfavorable foreign currency transaction impact of \$1.1 million for the nine months ended September 30, 2017. Proprietary Products gross profit margin decreased by 0.6 margin points for the three months ended September 30, 2017, as compared to the same period in 2016, due to lower sales growth of high-value products and increased labor, overhead and depreciation costs, partially offset by production efficiencies. Proprietary Products gross profit margin decreased by 1.1 margin points for the nine months ended September 30, 2017, as compared to the same period in 2016, as increased labor, overhead and depreciation costs were partially offset by production efficiencies and sales price increases.

Contract-Manufactured Products – Contract-Manufactured Products gross profit increased by \$1.8 million, or 14.2%, and \$4.8 million, or 13.0%, for the three and nine months ended September 30, 2017, respectively, as compared to the same periods in 2016. Contract-Manufactured Products gross profit margin increased by 0.3 margin points for the three months ended September 30, 2017, as compared to the same period in 2016, as a favorable mix of products sold and higher sales volume were partially offset by increased labor, overhead and depreciation costs. Contract-Manufactured Products gross profit margin increased by 0.4 margin points for the nine months ended September 30, 2017, as compared to the same period in 2016, as sales price increases, a favorable mix of products sold, higher sales volume, and production efficiencies were partially offset by increased labor, overhead and depreciation costs.

Research and Development (“R&D”) Costs

The following table presents R&D costs, consolidated and by reportable segment:

(\$ in millions)	Three Months Ended September 30,		Nine Months Ended September 30,	
	2017	2016	2017	2016
Proprietary Products	\$ 9.1	\$ 9.0	\$ 29.4	\$ 27.2
Contract-Manufactured Products	—	—	—	—
Consolidated R&D Costs	\$ 9.1	\$ 9.0	\$ 29.4	\$ 27.2

Consolidated R&D costs increased by \$0.1 million, or 1.1%, and \$2.2 million, or 8.1%, for the three and nine months ended September 30, 2017, respectively, as compared to the same periods in 2016, due to continued investment in self-injection systems development, formulation development and delivery development.

All of the R&D costs incurred during the three and nine months ended September 30, 2017 related to Proprietary Products.

Selling, General and Administrative (“SG&A”) Costs

The following table presents SG&A costs, consolidated and by reportable segment and corporate:

(\$ in millions)	Three Months Ended September 30,		Nine Months Ended September 30,	
	2017	2016	2017	2016
Proprietary Products	\$ 43.8	\$ 41.7	\$ 132.6	\$ 125.0
Contract-Manufactured Products	3.8	3.8	11.7	11.6
Corporate	13.9	12.8	39.4	42.3
Consolidated SG&A costs	\$ 61.5	\$ 58.3	\$ 183.7	\$ 178.9
<i>SG&A as a % of net sales</i>	<i>15.4%</i>	<i>15.5%</i>	<i>15.5%</i>	<i>15.9%</i>

Consolidated SG&A costs increased by \$3.2 million, or 5.5%, for the three months ended September 30, 2017, as compared to the same period in 2016, including the impact of foreign currency translation, which increased SG&A costs by \$0.7 million for the three months ended September 30, 2017.

Consolidated SG&A costs increased by \$4.8 million, or 2.7%, for the nine months ended September 30, 2017, as compared to the same period in 2016, including the impact of foreign currency translation, which decreased SG&A costs by \$0.2 million for the nine months ended September 30, 2017.

Proprietary Products – Proprietary Products SG&A costs increased by \$2.1 million, or 5.0%, and \$7.6 million, or 6.1%, for the three and nine months ended September 30, 2017, respectively, as compared to the same periods in 2016, due to increases in compensation costs, primarily related to headcount and merit increases. Foreign currency translation increased Proprietary Products SG&A costs by \$0.7 million for the three months ended September 30, 2017, and decreased Proprietary Products SG&A costs by \$0.2 million for the nine months ended September 30, 2017.

Contract-Manufactured Products – Contract-Manufactured Products SG&A costs remained constant at \$3.8 million for the three months ended September 30, 2017, as compared to the same period in 2016.

Contract-Manufactured Products SG&A costs increased by \$0.1 million, or 0.9%, for the nine months ended September 30, 2017, as compared to the same period in 2016, due to an increase in travel and maintenance costs.

Corporate – Corporate SG&A costs increased by \$1.1 million, or 8.6%, for the three months ended September 30, 2017, as compared to the same period in 2016, primarily due to increases in outside services and incentive compensation costs, partially offset by a decrease in U.S. pension costs.

Corporate SG&A costs decreased by \$2.9 million, or 6.9%, for the nine months ended September 30, 2017, as compared to the same period in 2016, due to a decrease in U.S. pension costs.

Other (Income) Expense

The following table presents other income and expense items, consolidated and by reportable segment and unallocated items:

(Income) Expense (\$ in millions)	Three Months Ended September 30,		Nine Months Ended September 30,	
	2017	2016	2017	2016
Proprietary Products	\$ (9.4)	\$ 0.2	\$ (7.7)	\$ 3.1
Contract-Manufactured Products	(0.1)	—	(0.2)	(0.4)
Corporate	—	—	(0.1)	—
Unallocated items	—	2.3	11.1	26.4
Consolidated other (income) expense	\$ (9.5)	\$ 2.5	\$ 3.1	\$ 29.1

Other income and expense items, consisting of foreign exchange transaction gains and losses, gains and losses on the sale of fixed assets, development and licensing income, contingent consideration costs, and miscellaneous income and charges, are generally recorded within segment results.

Consolidated other (income) expense changed by \$12.0 million for the three months ended September 30, 2017, as compared to the same period in 2016. Consolidated other expense decreased by \$26.0 million for the nine months ended September 30, 2017, as compared to the same period in 2016.

Proprietary Products – Proprietary Products other (income) expense changed by \$9.6 million and \$10.8 million for the three and nine months ended September 30, 2017, respectively, as compared to the same periods in 2016, as we recorded income of \$9.1 million attributable to the reimbursement of certain costs related to a technology that we subsequently licensed to a third party during the three and nine months ended September 30, 2017. Please refer to Note 12, *Other (Income) Expense*, for further discussion of this item.

Contract-Manufactured Products – Contract-Manufactured Products other income increased by \$0.1 million for the three months ended September 30, 2017, as compared to the same period in 2016, due to foreign exchange transaction gains.

Contract-Manufactured Products other income decreased by \$0.2 million for the nine months ended September 30, 2017, as compared to the same period in 2016, due to gains on the sale of fixed assets recorded during the nine months ended September 30, 2016, partially offset by foreign exchange transaction gains recorded during the nine months ended September 30, 2017.

Corporate – Corporate other income increased by \$0.1 million for the nine months ended September 30, 2017, as compared to the same period in 2016.

Unallocated items – During the nine months ended September 30, 2017, as a result of the continued deterioration of conditions in Venezuela as well as our continued reduced access to USD settlement controlled by the Venezuelan government, we recorded a charge of \$11.1 million related to the deconsolidation of our Venezuelan subsidiary, following our determination that we no longer met the U.S. GAAP criteria for control of that subsidiary. During the three months ended September 30, 2016, we recorded \$2.3 million in restructuring and related charges, consisting of \$1.4 million for severance charges and \$0.9 million for a non-cash asset write-down associated with the discontinued use of certain equipment. During the nine months ended September 30, 2016, we incurred \$23.7 million in restructuring and related charges, consisting of \$7.8 million for severance charges, \$10.0 million for a non-cash asset write-down associated with the discontinued use of a trademark, and \$5.9 million for non-cash asset write-downs associated with the discontinued use of a patent and certain equipment. In addition, during the nine months ended September 30, 2016, we recorded a \$2.7 million charge related to the devaluation of the Venezuelan Bolivar from the previously-prevailing official exchange rate of 6.3 Bolivars to USD to 10.0 Bolivars to USD. Please refer to Note 12, *Other (Income) Expense*, for further discussion of these items.

Operating Profit

The following table presents adjusted operating profit, consolidated and by reportable segment, corporate and unallocated items:

(\$ in millions)	Three Months Ended September 30,		Nine Months Ended September 30,	
	2017	2016	2017	2016
Proprietary Products	\$ 67.0	\$ 57.5	\$ 188.2	\$ 185.6
Contract-Manufactured Products	10.8	8.9	30.1	25.6
Corporate	(13.9)	(12.8)	(39.3)	(42.3)
Adjusted consolidated operating profit	\$ 63.9	\$ 53.6	\$ 179.0	\$ 168.9
Adjusted consolidated operating profit margin	16.1%	14.2%	15.1%	15.0%
Unallocated items	—	(2.3)	(11.1)	(26.4)
Consolidated operating profit	\$ 63.9	\$ 51.3	\$ 167.9	\$ 142.5
Consolidated operating profit margin	16.1%	13.6%	14.2%	12.6%

Consolidated operating profit increased by \$12.6 million, or 24.6%, for the three months ended September 30, 2017, as compared to the same period in 2016, including a favorable foreign currency translation impact of \$1.3 million.

Consolidated operating profit increased by \$25.4 million, or 17.8%, for the nine months ended September 30, 2017, as compared to the same period in 2016, including an unfavorable foreign currency translation impact of \$1.0 million.

Proprietary Products – Proprietary Products operating profit increased by \$9.5 million, or 16.5%, for the three months ended September 30, 2017, as compared to the same period in 2016, including a favorable foreign currency translation impact of \$1.2 million, due to the factors described above.

Proprietary Products operating profit increased by \$2.6 million, or 1.4%, for the nine months ended September 30, 2017, as compared to the same period in 2016, including an unfavorable foreign currency translation impact of \$1.0 million, due to the factors described above.

Contract-Manufactured Products – Contract-Manufactured Products operating profit increased by \$1.9 million, or 21.3%, and \$4.5 million, or 17.6%, for the three and nine months ended September 30, 2017, respectively, as compared to the same periods in 2016, including a favorable foreign currency translation impact of \$0.1 million for the three months ended September 30, 2017, due to the factors described above.

Corporate – Corporate costs increased by \$1.1 million, or 8.6%, for the three months ended September 30, 2017, as compared to the same period in 2016, due to the factors described above.

Corporate costs decreased by \$3.0 million, or 7.1%, for the nine months ended September 30, 2017, as compared to the same period in 2016, due to the factors described above.

Unallocated items – Please refer to the *Other (Income) Expense* section for details.

Interest Expense, Net

The following table presents interest expense, net, by significant component:

(\$ in millions)	Three Months Ended September 30,		Nine Months Ended September 30,	
	2017	2016	2017	2016
Interest expense	\$ 2.7	\$ 3.0	\$ 8.2	\$ 9.0
Capitalized interest	(1.4)	(0.8)	(2.5)	(2.3)
Interest income	(0.3)	(0.2)	(0.9)	(0.8)
Interest expense, net	\$ 1.0	\$ 2.0	\$ 4.8	\$ 5.9

Interest expense, net, decreased by \$1.0 million, or 50.0%, for the three months ended September 30, 2017, as compared to the same period in 2016, due to an increase in capitalized interest, particularly related to the construction of our new facility in Waterford, Ireland.

Interest expense, net, decreased by \$1.1 million, or 18.6%, for the nine months ended September 30, 2017, as compared to the same period in 2016, due to lower interest expense resulting from less debt outstanding during the nine months ended September 30, 2017, as compared to the same period in 2016 and an increase in capitalized interest.

Income Taxes

The provision for income taxes was \$14.0 million and \$14.4 million for the three months ended September 30, 2017 and 2016, respectively, and the effective tax rate was 22.3% and 29.3%, respectively. The provision for income taxes

was \$19.1 million and \$38.3 million for the nine months ended September 30, 2017 and 2016, respectively, and the effective tax rate was 11.7% and 28.1%, respectively.

The decrease in the effective tax rate for the three and nine months ended September 30, 2017, as compared to the same periods in 2016, reflects the impact of a tax benefit of \$4.8 million and \$30.3 million for the three and nine months ended September 30, 2017, respectively, associated with our adoption of the guidance issued by the FASB regarding share-based payment transactions. Please refer to Note 2, *New Accounting Standards*, for further discussion of the new accounting guidance. The decrease in the effective tax rate for the nine months ended September 30, 2017, as compared to the same period in 2016, also reflects the impact of a tax benefit of \$3.5 million related to a planned repatriation of approximately \$65.0 million of cash held by non-U.S. subsidiaries during 2017. During the three months ended September 30, 2017, we repatriated \$55.3 million of cash held by non-U.S. subsidiaries. During the remainder of 2017, we intend to repatriate approximately \$10.0 million of additional cash held by non-U.S. subsidiaries.

Equity in Net Income of Affiliated Companies

Equity in net income of affiliated companies represents the contribution to earnings from our 25% ownership interest in Daikyo and our 49% ownership interest in four companies in Mexico. Equity in net income of affiliated companies decreased by \$0.6 million, or 22.2%, for the three months ended September 30, 2017, as compared to the same period in 2016, primarily due to foreign exchange transaction losses in Mexico. Equity in net income of affiliated companies increased by \$0.5 million, or 8.1%, for the nine months ended September 30, 2017, as compared to the same period in 2016, primarily due to the impact of gains on the sale of investment securities by Daikyo, partially offset by foreign exchange transaction losses in Mexico.

Net Income

Net income for the three months ended September 30, 2017 was \$51.0 million, which included the impact of a tax benefit of \$4.8 million associated with our adoption of the guidance issued by the FASB regarding share-based payment transactions. Net income for the three months ended September 30, 2016 was \$37.6 million, which included \$1.6 million (net of \$0.7 million in tax) in restructuring and related charges and a discrete tax charge of \$0.3 million.

Net income for the nine months ended September 30, 2017 was \$150.7 million, which included the impact of a tax benefit of \$30.3 million associated with our adoption of the guidance issued by the FASB regarding share-based payment transactions and a charge of \$11.1 million related to the deconsolidation of our Venezuelan subsidiary. Net income for the nine months ended September 30, 2016 was \$104.5 million, which included \$15.6 million (net of \$8.1 million in tax) in restructuring and related charges, a charge of \$2.7 million related to the devaluation of the Venezuelan Bolivar, and a discrete tax charge of \$0.3 million.

FINANCIAL CONDITION, LIQUIDITY AND CAPITAL RESOURCES

Cash Flows

The following table presents cash flow data for the nine months ended September 30:

(\$ in millions)	2017		2016	
Net cash provided by operating activities	\$	181.8	\$	147.6
Net cash used in investing activities	\$	(104.2)	\$	(129.1)
Net cash used in financing activities	\$	(22.5)	\$	(87.5)

Net Cash Provided by Operating Activities – Net cash provided by operating activities increased by \$34.2 million for the nine months ended September 30, 2017, as compared to the same period in 2016, primarily due to improved

operating results and the impact of a tax benefit associated with our adoption of the guidance issued by FASB regarding share-based payment transactions, partially offset by a \$20.0 million pension plan contribution to our U.S. qualified pension plan during the nine months ended September 30, 2017.

Net Cash Used in Investing Activities – Net cash used in investing activities decreased by \$24.9 million for the nine months ended September 30, 2017, as compared to the same period in 2016, due to a \$21.4 million decrease in capital spending and the impact of the deconsolidation of our Venezuelan subsidiary, partially offset by our receipt of insurance proceeds. The capital spending for the nine months ended September 30, 2017 consisted of spending for new products, expansion activity, and emerging markets, including the construction of our new facility in Waterford, Ireland.

Net Cash Used in Financing Activities – Net cash used in financing activities decreased by \$65.0 million for the nine months ended September 30, 2017, as compared to the same period in 2016, primarily due to a decrease in net debt repayments, as our Euro note B matured in February 2016, partially offset by an increase in proceeds from employee stock plans.

Liquidity and Capital Resources

The table below presents selected liquidity and capital measures:

(\$ in millions)	September 30, 2017	December 31, 2016
Cash and cash equivalents	\$ 269.3	\$ 203.0
Working capital	\$ 476.9	\$ 400.9
Total debt	\$ 229.8	\$ 228.6
Total equity	\$ 1,316.9	\$ 1,117.5
Net debt-to-total invested capital	N/A	2.2%

Cash and cash equivalents include all instruments that have maturities of ninety days or less when purchased. Working capital is defined as current assets less current liabilities. Net debt is defined as total debt less cash and cash equivalents, and total invested capital is defined as the sum of net debt and total equity. Net debt and total invested capital are non-U.S. GAAP financial measures that should not be used as a substitute for the comparable U.S. GAAP financial measures. The non-U.S. GAAP financial measures are incorporated into our discussion and analysis as management believes that this information provides users a valuable insight into our overall performance and financial position.

Cash and cash equivalents – Our cash and cash equivalents balance at September 30, 2017 consisted of cash held in depository accounts with banks around the world and cash invested in high-quality, short-term investments. The cash and cash equivalents balance at September 30, 2017 included \$147.4 million of cash held by subsidiaries within the U.S., and \$121.9 million of cash held by subsidiaries outside of the U.S. During the three months ended September 30, 2017, we repatriated \$55.3 million of cash held by non-U.S. subsidiaries. During the remainder of 2017, we intend to repatriate approximately \$10.0 million of additional cash held by non-U.S. subsidiaries. We do not expect any additional tax costs associated with the planned repatriation. Deferred income taxes have not been provided for any funds remaining in the subsidiaries outside of the U.S., as such earnings are intended to be reinvested indefinitely outside of the U.S.

Working capital – Working capital at September 30, 2017 increased by \$76.0 million, or 19.0%, as compared to December 31, 2016, including an increase of \$23.0 million due to foreign currency translation, due to increases in cash and cash equivalents, accounts receivable, and inventories, partially offset by an increase in total current liabilities. Excluding the impact of currency exchange rates, cash and cash equivalents, accounts receivable, inventories, and total current liabilities increased by \$55.1 million, \$39.2 million, \$5.6 million, and \$46.1 million, respectively. The increase in accounts receivable was due to increased sales activity in 2017, particularly in

international markets with longer payment terms. Inventories increased due to timing, as inventories are typically lower at year-end due to plant shutdowns. The increase in current liabilities was primarily due to the reclassification of our term loan from long-term debt to current liabilities between those period ends and an increase in other current liabilities.

Debt and credit facilities – The \$1.2 million increase in total debt at September 30, 2017, as compared to December 31, 2016, resulted from foreign currency rate fluctuations of \$2.8 million and a reduction of \$0.2 million in unamortized debt issuance costs, partially offset by net debt repayments of \$1.8 million.

Our sources of liquidity include our Credit Facility. At September 30, 2017, we had \$29.3 million in outstanding long-term borrowings under this facility, of which \$4.5 million was denominated in Yen and \$24.8 million was denominated in Euro. These borrowings, together with outstanding letters of credit of \$3.0 million, resulted in an available borrowing capacity under the Credit Facility of \$267.7 million at September 30, 2017. We do not expect any significant limitations on our ability to access this source of funds.

Pursuant to the financial covenants in our debt agreements, we are required to maintain established interest coverage ratios and to not exceed established leverage ratios. In addition, the agreements contain other customary covenants, none of which we consider restrictive to our operations. At September 30, 2017, we were in compliance with all of our debt covenants.

We believe that cash on hand and cash generated from operations, together with availability under our Credit Facility, will be adequate to address our foreseeable liquidity needs based on our current expectations of our business operations, capital expenditures and scheduled payments of debt obligations.

Commitments and Contractual Obligations

A table summarizing the amounts and estimated timing of future cash payments resulting from commitments and contractual obligations was provided in our 2016 Annual Report. During the three months ended September 30, 2017, there were no material changes outside of the ordinary course of business to our commitments and contractual obligations.

OFF-BALANCE SHEET ARRANGEMENTS

At September 30, 2017, we had no off-balance sheet financing arrangements other than operating leases, unconditional purchase obligations incurred in the ordinary course of business, and outstanding letters of credit related to various insurance programs, as noted in our 2016 Annual Report.

CRITICAL ACCOUNTING POLICIES AND ESTIMATES

There have been no changes to the Critical Accounting Policies and Estimates disclosed in Part II, Item 7 of our 2016 Annual Report.

NEW ACCOUNTING STANDARDS

For information on new accounting standards that were adopted, and those issued but not yet adopted, during the three months ended September 30, 2017, and the impact, if any, on our financial position or results of operations, see Note 2, *New Accounting Standards*.

CAUTIONARY STATEMENT REGARDING FORWARD-LOOKING STATEMENTS

Our disclosure and analysis in this Form 10-Q contains some forward-looking statements that are based on management's beliefs and assumptions, current expectations, estimates and forecasts. We also provide forward-looking statements in other materials we release to the public, as well as oral forward-looking statements. Such statements provide our current expectations or forecasts of future events. They do not relate strictly to historical or

current facts. We have attempted, wherever possible, to identify forward-looking statements by using words such as “plan,” “expect,” “believe,” “intend,” “will,” “estimate,” “continue” and other words of similar meaning in conjunction with, among other things, discussions of future operations and financial performance, as well as our strategy for growth, product development, market position and expenditures. All statements that address operating performance or events or developments that we expect or anticipate will occur in the future - including statements relating to sales and earnings per share growth, cash flows or uses, and statements expressing views about future operating results - are forward-looking statements.

Forward-looking statements are based on current expectations of future events. The forward-looking statements are, and will be, based on management’s then-current views and assumptions regarding future events and operating performance, and speak only as of their dates. Investors should realize that, if underlying assumptions prove inaccurate or unknown risks or uncertainties materialize, actual results could vary materially from our expectations and projections. Investors are therefore cautioned not to place undue reliance on any forward-looking statements.

The following are some important factors that could cause our actual results to differ from our expectations in any forward-looking statements:

- sales demand and our ability to meet that demand;
- competition from other providers in our businesses, including customers’ in-house operations, and from lower-cost producers in emerging markets, which can impact unit volume, price and profitability;
- customers’ changing inventory requirements and manufacturing plans that alter existing orders or ordering patterns for the products we supply to them;
- the timing, regulatory approval and commercial success of customer products that incorporate our products and systems;
- whether customers agree to incorporate our products and delivery systems with their new and existing drug products, the ultimate timing and successful commercialization of those products and systems, which involves substantial evaluations of the functional, operational, clinical and economic viability of our products, and the rate, timing and success of regulatory approval for the drug products that incorporate our components and systems;
- the timely and adequate availability of filling capacity, which is essential to conducting definitive stability trials and the timing of first commercialization of customers’ products in Daikyo Crystal Zenith® prefilled syringes;
- average profitability, or mix, of the products sold in any reporting period, including lower-than-expected sales growth of our high-value proprietary product offerings;
- maintaining or improving production efficiencies and overhead absorption;
- dependence on third-party suppliers and partners, some of which are single-source suppliers of critical materials and products, including our Japanese partner and affiliate, Daikyo;
- the loss of key personnel or highly-skilled employees;
- the availability and cost of skilled employees required to meet increased production, managerial, research and other needs, including professional employees and persons employed under collective bargaining agreements;
- interruptions or weaknesses in our supply chain, including from reasons beyond our control such as extreme weather, longer-term climate changes, natural disasters, pandemic, war, accidental damage, or unauthorized access to our or our customers' information and systems, which could cause delivery delays or restrict the availability of raw materials, key purchased components and finished products;

- the successful and timely implementation of price increases necessary to offset rising production costs, including raw material prices, particularly petroleum-based raw materials;
- the cost and progress of development, regulatory approval and marketing of new products;
- our ability to obtain and maintain licenses in any jurisdiction in which we do business;
- the relative strength of USD in relation to other currencies, particularly the Euro, the Singapore Dollar, the Danish Krone, Yen, Venezuelan Bolivar, Colombian and Argentinian Peso, and Brazilian Real; and
- the potential adverse effects of global healthcare legislation on customer demand, product pricing and profitability.

This list sets forth many, but not all, of the factors that could affect our ability to achieve results described in any forward-looking statements. Investors should understand that it is not possible to predict or identify all of the factors and should not consider this list to be a complete statement of all potential risks and uncertainties. For further discussion of these and other factors, see the risk factors disclosed in Part I, Item 1A of our 2016 Annual Report. Except as required by law or regulation, we do not intend to update any forward-looking statements.

ITEM 3. QUANTITATIVE AND QUALITATIVE DISCLOSURES ABOUT MARKET RISK

There have been no material changes in our exposure to market risk or the information provided in Part II, Item 7A of our 2016 Annual Report.

ITEM 4. CONTROLS AND PROCEDURES

Disclosure controls are controls and procedures designed to reasonably ensure that information required to be disclosed in our reports filed under the Exchange Act, such as this quarterly report, is recorded, processed, summarized and reported within the time periods specified in the SEC’s rules and forms. Disclosure controls include, without limitation, controls and procedures designed to ensure that information required to be disclosed in our reports filed under the Securities Exchange Act of 1934, as amended, is accumulated and communicated to our management, including our Chief Executive Officer (“CEO”) and Chief Financial Officer (“CFO”), or persons performing similar functions, as appropriate, to allow timely decisions regarding required disclosure. Our disclosure controls include some, but not all, components of our internal control over financial reporting.

Evaluation of Disclosure Controls and Procedures

An evaluation was performed under the supervision and with the participation of our management, including our CEO and CFO, of the effectiveness of our disclosure controls and procedures (as defined in Rule 13a-15(e) under the Securities Exchange Act of 1934), as of the end of the period covered by this quarterly report on Form 10-Q. Based on this evaluation, our CEO and CFO have concluded that, as of September 30, 2017, our disclosure controls and procedures are effective.

Changes in Internal Controls

During the quarter ended September 30, 2017, there have been no changes to our internal control over financial reporting that have materially affected, or are reasonably likely to materially affect, our internal control over financial reporting.

PART II. OTHER INFORMATION

ITEM 1. LEGAL PROCEEDINGS

None.

ITEM 1A. RISK FACTORS

There are no material changes to the risk factors disclosed in Part I, Item 1A of our 2016 Annual Report.

ITEM 2. UNREGISTERED SALES OF EQUITY SECURITIES AND USE OF PROCEEDS

The following table shows information with respect to purchases of our common stock made during the three months ended September 30, 2017 by us or any of our “affiliated purchasers” as defined in Rule 10b-18(a)(3) under the Exchange Act:

Period	Total number of shares purchased (1)	Average price paid per share (1)	Total number of shares purchased as part of publicly announced plans or programs (2)	Maximum number (or approximate dollar value) of shares that may yet be purchased under the plans or programs (2)
July 1 – 31, 2017	90	\$ 92.31	—	475,000
August 1 – 31, 2017	170	87.20	—	475,000
September 1 – 30, 2017	—	—	—	475,000
Total	260	\$ 88.97	—	475,000

- (1) Includes 260 shares purchased on behalf of employees enrolled in the Non-Qualified Deferred Compensation Plan for Designated Employees (Amended and Restated Effective January 1, 2008). Under the plan, Company match contributions are delivered to the plan’s investment administrator, who then purchases shares in the open market and credits the shares to individual plan accounts.
- (2) In December 2016, we announced a share repurchase program authorizing the repurchase of up to 800,000 shares of our common stock from time to time on the open market or in privately-negotiated transactions as permitted under the Securities Exchange Act of 1934 Rule 10b-18. The number of shares to be repurchased and the timing of such transactions will depend on a variety of factors, including market conditions. The program commenced on January 1, 2017 and is expected to be completed by December 31, 2017. There were no shares purchased during the three months ended September 30, 2017. During the nine months ended September 30, 2017, we purchased 325,000 shares of our common stock under the program at a cost of \$26.9 million, or an average price of \$82.84 per share.

ITEM 5. OTHER INFORMATION

Our Board of Directors approved a revised form of Change-in-Control (“CIC”) Agreement (“CIC Agreement”) for the following executive officers of the Company: Annette F. Favorite, Karen A. Flynn, Quintin J. Lai, Daniel Malone, George L. Miller, David A. Montecalvo and Eric Resnick. The new form CIC Agreement is substantially similar to existing CIC Agreements for these officers. These revised agreements amend and replace the existing agreements and became effective on October 25, 2017. Generally, CIC benefits will be provided in the event of a termination without Cause or a Constructive Termination (“CT”) within the two years following a CIC of the Company. The changes to the CIC Agreements are as follows:

- A new definition of “Cause” which includes acts of dishonesty, repeated failure to fulfill duties, conviction of a felony or a Code of Business Conduct violation that injures the Company.
- A revised definition of “Constructive Termination” to include reporting to an individual whose scope of responsibilities is less than before the CIC, a reduction in short-term incentive target compensation, and a reduction in fringe benefits unless it is broadly-based. An executive must provide notice of circumstances giving rise to CT within 45 days and then provide 30 days to remedy.

- Cash severance pay will be equal to two times the highest annual salary rate in effect plus target short-term incentive compensation (instead of based on prior paid short-term incentives).
- Incentive compensation will be paid out at pro-rated target compensation for the year of termination.
- Unvested equity awards will vest and performance will be deemed to be at target levels.
- Benefits will continue for a period of 24 months (instead of 36 months).
- The non-compete covenant associated with the CIC Agreement was extended from one year to two years.
- The other material terms of the CIC Agreements for these executives remain the same as our previously filed forms.

The description in this Item 5 is qualified in its entirety by the Form of Change-in-Control Agreement, which is included as Exhibit 10.1.

ITEM 6. EXHIBITS

The list of exhibits in the Exhibit Index to this report is incorporated herein by reference.

SIGNATURE

Pursuant to the requirements of the Securities Exchange Act of 1934, West Pharmaceutical Services, Inc. has duly caused this report to be signed on its behalf by the undersigned thereunto duly authorized.

WEST PHARMACEUTICAL SERVICES, INC.
(Registrant)

By: /s/ William J. Federici
William J. Federici
Senior Vice President and Chief Financial Officer

October 31, 2017

EXHIBIT INDEX

Exhibit #	Description
3.1	Our Amended and Restated Articles of Incorporation are incorporated by reference from our Form 10-Q report for the quarter ended March 31, 2015.
3.2	Our Bylaws, as amended through May 5, 2015, are incorporated by reference from our Form 10-Q report for the quarter ended March 31, 2015.
4.1	Form of stock certificate for common stock is incorporated by reference from our annual report on Form 10-K dated May 6, 1999.
4.2	Article 5, 6, 8(c) and 9 of our Amended and Restated Articles of Incorporation are incorporated by reference from our Form 10-Q report for the quarter ended March 31, 2015.
4.3	Article I and V of our Bylaws, as amended through May 5, 2015, are incorporated by reference from our Form 10-Q report for the quarter ended March 31, 2015.
4.4 ⁽¹⁾	Instruments defining the rights of holders of long-term debt securities of West and its subsidiaries have been omitted.
10.1	Form of Change-in-Control Agreement between us and certain of our executive officers.
31.1	Certification by the Chief Executive Officer Pursuant to Section 302 of the Sarbanes-Oxley Act of 2002.
31.2	Certification by the Chief Financial Officer Pursuant to Section 302 of the Sarbanes-Oxley Act of 2002.
32.1*	Certification by the Chief Executive Officer Pursuant to 18 U.S.C. Section 1350, as Adopted Pursuant to Section 906 of the Sarbanes-Oxley Act of 2002.
32.2*	Certification by the Chief Financial Officer Pursuant to 18 U.S.C. Section 1350, as Adopted Pursuant to Section 906 of the Sarbanes-Oxley Act of 2002.
101.INS	XBRL Instance Document
101.SCH	XBRL Taxonomy Extension Schema Document
101.CAL	XBRL Taxonomy Extension Calculation Linkbase Document
101.LAB	XBRL Taxonomy Extension Label Linkbase Document
101.PRE	XBRL Taxonomy Extension Presentation Linkbase Document
101.DEF	XBRL Taxonomy Extension Definition Linkbase Document

⁽¹⁾ We agree to furnish to the SEC, upon request, a copy of each instrument with respect to issuances of long-term debt of the Company and its subsidiaries.

* Furnished, not filed.



FORM OF CHANGE-IN-CONTROL AGREEMENT

THIS IS A CHANGE-IN-CONTROL AGREEMENT (the “Agreement”), effective as of _____, between West Pharmaceutical Services, Inc., a Pennsylvania corporation, (the “Company”) and [EXECUTIVE OFFICER NAME] (the “Executive”).

WHEREAS, the Company, on behalf of itself and its shareholders, wishes to assure that the Company will have the continued dedication of the Executive, notwithstanding the possibility, threat, or occurrence of a Change in Control (as defined below) of the Company. The Board of Directors of the Company (the “Board”) believes it is imperative to diminish the inevitable distraction of the Executive by virtue of the personal uncertainties and risks created by a pending or threatened Change in Control, to encourage the Executive’s attention and dedication to the Executive’s assigned duties currently and in the event of any threatened or pending Change in Control, and to provide the Executive with competitive compensation arrangements; therefore, the Board has caused the Company to enter into this Agreement (i) to ensure the Executive of individual financial security in the event of a Change in Control, and (ii) to provide such protection in a manner which is competitive with that of other corporations.

NOW, THEREFORE, IT IS HEREBY AGREED AS FOLLOWS:

1. **Definitions.** As used in this Agreement, the following terms will have the meanings set forth below:
- (a) An “Affiliate” of any Person means any Person directly or indirectly controlling, controlled by or under common control with such Person.

(b) “Cause” means (i) an act or acts of dishonesty taken by the Executive, (ii) repeated failure by the Executive of the Executive’s duties and obligations as an employee and officer of the Company which are demonstrably willful and deliberate on the Executive’s part and which are not remedied after the receipt of written notice from the Company, (iii) the conviction of the Executive of a felony, or (iv) an intentional breach of the Company’s Code of Business Conduct which is materially and demonstrably injurious to the Company.

(c) “Change in Control” means a change in control of a nature that would be required to be reported in response to Item 5.01 of a Current Report on Form 8-K as in effect on the date of this Agreement pursuant to Section 13 or 15(d) of the Securities

Exchange Act of 1934, as amended, (the “Act”), provided, that, without limitation, a Change in Control shall be deemed to have occurred if:

- (i) Any Person, other than:
 - (1) the Company,
 - (2) any Person who on the date hereof is a director or officer of the Company, or
 - (3) a trustee or fiduciary holding securities under an employee benefit plan of the Company,
-

is or becomes the “beneficial owner,” (as defined in Rule 13d-3 under the Act), directly or indirectly, of securities of the Company representing more than 50% of the combined voting power of the Company’s then outstanding securities; or

- (ii) During any period of two consecutive years during the term of this Agreement, individuals who at the beginning of such period constitute the Board of Directors of the Company cease for any reason to constitute at least a majority thereof, unless the election, or nomination for election, of each director who was not a director at the beginning of such period has been approved in advance by directors representing at least three-fourths of the directors then in office who were directors at the beginning of the period; or
 - (iii) The shareholders of the Company approve: (1) a plan of complete liquidation of the Company; or (2) an agreement for the sale or disposition of all or substantially all of the Company’s assets; or (3) a merger, consolidation, or reorganization of the Company with or involving any other corporation, other than a merger, consolidation, or reorganization (collectively, a “Non-Control Transaction”), that would result in the voting securities of the Company outstanding immediately prior thereto continuing to represent (either by remaining outstanding or by being converted into voting securities of the surviving entity), at least 50% of the combined voting power of the voting securities of the Company (or the surviving entity, or an entity which as a result of the Non-Control Transaction owns the Company or all or substantially all of the Company’s assets either directly or through one or more subsidiaries) outstanding immediately after the Non-Control Transaction.
 - (iv) No sale to underwriters or private placement of its capital stock by the Company, nor any acquisition initiated by the Company, through merger, purchase of assets or otherwise, effected in whole or in part by issuance or reissuance of shares of its capital stock, shall constitute a Change in Control.
- (d) “Code” means the Internal Revenue Code of 1986, as amended.
- (e) “Constructive Termination” means, in connection with a Change in Control, during the period commencing with the announcement of a Change in Control through the two-year period following the Effective Date (the “CT Period”), the occurrence of any of the following events unless the Executive has consented in writing or provided a written waiver to that effect:
- (i) The Company or its successor in interest requires the Executive to assume any duties inconsistent with, or the Company makes a significant diminution or reduction in the nature or scope of the Executive’s authority or duties from, those assigned to or held by the Executive on the commencement of the CT Period, including reporting to an individual whose scope of responsibilities and authority is not as large as the person to whom the Executive reported prior to the Change in Control Event;
 - (ii) A material reduction in the Executive’s: (1) annual base salary, or (2) short term incentive target compensation;
 - (iii) A relocation of the Executive’s site of employment to a location that lengthens the Executive’s one-way commuting distance to his principal place of employment by 50 or more miles from the Executive’s site of employment on the Effective Date;
 - (iv) A material reduction in the package of employment benefits offered to the Executive as of the commencement of the CT Period, unless such reduction is applicable on a broad basis to similarly-situated employees of the Company; or
-

- (v) A successor of the Company does not assume the Company's obligations under this Agreement, or any other agreement entered into by the Executive and the Company, expressly or as a matter of law.

Notwithstanding the above, Constructive Termination will only be deemed to have occurred if the Executive (i) has served written notice to the Company or its successor in interest that a right of Constructive Termination has accrued in favor of the Executive within forty-five (45) calendar days of the initial existence of the basis for Constructive Termination, (ii) the Company or its successor in interest does not remedy such condition within thirty (30) calendar days of its receipt of such notice, and (iii) the Executive terminates employment within sixty (60) calendar days after the expiration of the 30-day remedy period.

- (f) "Defined Contribution Plan" means the Company's 401(k) Plan, the Company's Non-Qualified Deferred Compensation Plan for Designated Employees and any successor plans or other similar defined contribution plans established from time to time that may allow executive officers to defer taxation of compensation.
 - (g) "Payment" means:
 - (i) any amount due or paid to the Executive under this Agreement,
 - (ii) any amount that is due or paid to the Executive under any plan, program or arrangement of the Company and any of its Subsidiaries, and
 - (iii) any amount or benefit that is due or payable to the Executive under this Agreement or under any plan, program or arrangement of the Company and any of its Subsidiaries not otherwise covered under clause (i) or (ii) hereof which must reasonably be taken into account under Section 280G of the Code and the Regulations in determining the amount of the "parachute payments" received by the Executive, including, without limitation, any amounts which must be taken into account under the Code and Regulations as a result of (1) the acceleration of the vesting of any option, restricted stock or other equity award granted under any equity plan of the Company or otherwise, (2) the acceleration of the time at which any payment or benefit is receivable by the Executive or (3) any contingent severance or other amounts that are payable to the Executive.
 - (h) "Person" means any individual, corporation or other entity and any group as such term is used in Section 13 (d) (3) or 14 (d) (2) of the Exchange Act. Any person shall be deemed to be the beneficial owner of any shares of capital stock of the Company:
 - (i) which that person owns directly, whether or not of record, or
 - (ii) which that person has the right to acquire pursuant to any agreement or understanding or upon exercise of conversion rights, warrants, or options, or otherwise, or
 - (iii) which are beneficially owned, directly or indirectly (including shares deemed owned through application of clause (ii) above), by an "affiliate" or "associate" (as defined in the rules of the Securities and Exchange Commission under the Securities Act of 1933, as amended) of that person, or
 - (iv) which are beneficially owned, directly or indirectly (including shares deemed owned through application of clause (ii) above), by any other person with which that person or his "affiliate" or "associate" (defined as aforesaid) has any agreement, arrangement or
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understanding for the purpose of acquiring, holding, voting or disposing of capital stock of the Company.

The outstanding shares of capital stock of the Company shall include shares deemed owned through application of clauses (ii), (iii) and (iv) above, but shall not include any other shares which may be issuable pursuant to any agreement or upon exercise of conversion rights, warrants or options, or otherwise, but which are not actually outstanding.

- (i) “Regulations” means the proposed, temporary and final regulations under Sections 4999, 280G or 409A of the Code or any successor provisions thereto, as applicable.
- (j) “Retirement Plan” means the West Pharmaceutical Services, Inc. Employees’ Retirement Plan and any successor plan thereto.
- (k) “Separation from Service” is the date on which the Executive ceases to be employed by the Company or any of its Subsidiaries or Affiliates for any reason and, to the extent that Section 409A of the Code applies to the Payments under this Agreement, shall be the date that the Executive incurs a “separation from service” as defined in that Code section and the Regulations.
- (l) “Subsidiary” has the meaning ascribed to the term by Section 425(f) of the Code.

2. Termination Following a Change in Control.

- (a) Subject to Section 2(b), the Executive will be entitled to the benefits specified in Section 3 if,
 - (i) at any time within two years after a Change in Control has occurred, a Separation from Service occurs due to: (1) an involuntary termination of the Executive’s employment by the Company other than for Cause, or (2) as a result of the Executive’s resignation at any time following the Executive’s Constructive Termination;
 - (ii) the Company signs an agreement, the consummation of which would result in the occurrence of a Change in Control, and then, a Separation from Service occurs due to (1) an involuntary termination of employment by the Company other than for Cause, or (2) the Executive’s resignation at any time following the Executive’s Constructive Termination occurring after the date of such agreement (and, if such agreement expires or is terminated prior to consummation, prior to the expiration or termination of such agreement).
- (b) The Executive will not be entitled to the benefits specified in Section 3 if the Executive’s employment terminates as a result of Cause.
- (c) The Executive shall have no right to the benefits described in Section 3 unless the Executive executes a settlement and release in a form that is typical of that used by the Company in connection with the termination of employment of its senior-most executives prior to the announcement of the Change in Control provided, however, that settlement and release shall not amend or limit any right or obligation of Executive hereunder.

3. Benefits Payable Upon Termination of Employment. Following a Separation from Service due to a termination of employment described in Sections 2(a) or (b), the Executive will be entitled to the following benefits:

- (a) Severance Compensation. The Executive will be entitled to severance compensation in an amount equal to two times the sum of:
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- (i) the Executive's highest annual base salary rate in effect during the year of the termination of the Executive's employment, plus
- (ii) the target short term incentive compensation for the Executive in the year in which the termination of employment becomes effective.

Except as set forth in Section 3(f) hereof, the severance compensation paid hereunder will not be reduced to the extent of any other compensation for the Executive's services that the Executive receives or is entitled to receive from any other employment consistent with the terms of this Agreement.

(b) Incentive Compensation. The Executive will receive payout on short and long term incentives as follows:

- (i) If the Executive's employment is terminated prior to the normal payout date for short term incentive compensation for the fiscal year immediately preceding the year of termination of employment, the Executive will be paid such short-term compensation as earned in accordance with the terms of the plan or, if it is not possible to calculate said award, then at target;
- (ii) For the year in which the Executive's employment is terminated, the executive will receive non-equity, cash-settled short-term incentive compensation at target but subject to pro ration based on the number of calendar days the Executive was employed during such year divided by 365; and
- (iii) For the year in which the Executive's employment is terminated, the executive will receive non-equity, cash-settled long-term incentive compensation at target but subject to pro ration based on the number of calendar days the Executive was employed during the relevant performance period divided by the number of days in the entire original performance period.

(c) Equivalent of Vested Defined Contribution Plan Benefit. The Company will pay to the Executive the difference, if any, between

- (i) the benefit the Executive would be entitled to receive under the Defined Contribution Plan if the Company's contributions to the Defined Contribution Plan were fully vested upon the Separation from Service, and
- (ii) the benefit the Executive is entitled to receive under the terms of the Defined Contribution Plan upon the Separation from Service.

Any such benefit will be payable at such time and in such manner as benefits are payable to the Executive under the Defined Contribution Plan.

(d) Unvested Equity Awards. All stock options, other equity-based awards and shares of the Company's stock granted or awarded to the Executive pursuant to any Company compensation or benefit plan or arrangement, but which are unvested, will vest in full immediately upon the Separation from Service. If such unvested awards are dependent upon achievement of performance goals, those goals will be deemed to be satisfied at the target level. The provisions of this Section 3(d) will supersede the terms of any such grant or award made to the Executive under any such plan or arrangement to the extent there is an inconsistency between the two. For the purpose of this paragraph, the definition of Company shall include the Affiliate of the acquiring entity that may be the grantor of equity awards granted to the Executive.

- (e) Employee and Executive Benefits. The Executive will be entitled to a continuation of all hospital, medical, dental, and similar insurance benefits not otherwise addressed in this Agreement in the same manner and amount to which the Executive was entitled on the date of the announcement of a Change in Control or on the date of Constructive Termination of the Executive's employment (whichever benefits are more favorable to the Executive) until the earlier of:
 - (i) a period of 24 months after the Separation from Service, or
 - (ii) the Executive's eligibility for similar benefits with a new employer.

Assistance in finding new employment will be made available to the Executive by the Company if the Executive so requests subject to a limit of \$50,000 and use of an outplacement service provider approved by the Company.

- (f) No Duplication of Payments. If Executive is entitled to receive any Payment under this Agreement, the Executive shall not also be entitled to receive severance payments under any other plan, program or agreement with the Company.
- (g) Payment of Severance Compensation. The severance compensation set forth in Section 3(a) will be payable in 24 equal monthly installments commencing on the first day of the month following the month in which the Separation from Service occurs. Notwithstanding the above, in the event that the Executive is a "specified employee" within the meaning of Code Section 409A, the first six monthly installments shall be paid in a lump sum on the first day of the month following or coincident with the date that is six months following the Separation from Service and all remaining monthly installments shall be paid monthly.

4. **Excise Tax Limitation.**

- (a) Limitation. Notwithstanding any other provisions of this Agreement to the contrary, in the event that any Payments received or to be received by the Executive in connection with the Executive's employment with the Company (or termination thereof) under this Agreement or otherwise would subject the Executive to the excise tax (plus any related interest and penalties) imposed under Section 4999 of the Internal Revenue Code of 1986, as amended (the "Excise Tax"), and if the net-after tax amount (taking into account all applicable taxes payable by the Executive, including any Excise Tax) that the Executive would receive with respect to such payments or benefits does not exceed the net-after tax amount the Executive would receive if the amount of such payment and benefits were reduced to the maximum amount which could otherwise be payable to the Executive without the imposition of the Excise Tax, then, to the extent necessary to eliminate the imposition of the Excise Tax, (i) such cash Payments shall first be reduced (if necessary, to zero), then (ii) all non-cash Payments (other than those relating to equity and incentive plans) shall next be reduced (if necessary, to zero,) and finally (iii) all other non-cash Payments relating to equity and incentive plans shall be reduced.
 - (b) Determination of Application of the Limitation. Subject to the provisions of Section 4(c), all determinations required under this Section 4 shall be made by the accounting firm that was the Company's independent auditors immediately prior to the Change in Control (or, in default thereof, an accounting firm mutually agreed upon by the Company and the Executive) (the "Accounting Firm"), which shall provide detailed supporting calculations both to the Executive and the Company within fifteen days of the Change in Control, the Separation from Service or any other date reasonably requested by the Executive or the Company on which a determination under this Section 4 is necessary or advisable. If the Accounting Firm determines that no Excise Tax is payable by the Executive, the Company shall cause the Accounting Firm to provide the Executive with an opinion that the Accounting Firm has substantial authority under the Code and Regulations
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not to report an Excise Tax on the Executive's federal income tax return. Any determination by the Accounting Firm shall be binding upon the Executive and the Company.

- (c) Procedures. The Executive shall notify the Company in writing of any claim by the Internal Revenue Service that, if successful, would result in Payments that would be less on an after-tax basis than had those payments been limited under Section 4(a). Such notice shall be given as soon as practicable after the Executive knows of such claim and shall apprise the Company of the nature of the claim and the date on which the claim is requested to be paid. The Executive agrees not to pay the claim until the expiration of the thirty-day period following the date on which the Executive notifies the Company, or such shorter period ending on the date the taxes with respect to such claim are due (the “Notice Period”). If the Company notifies the Executive in writing prior to the expiration of the Notice Period that it desires to contest the claim, the Executive shall: (i) give the Company any information reasonably requested by the Company relating to the claim; (ii) take such action in connection with the claim as the Company may reasonably request, including, without limitation, accepting legal representation with respect to such claim by an attorney reasonably selected by the Company and reasonably acceptable to the Executive; (iii) cooperate with the Company in good faith in contesting the claim; and (iv) permit the Company to participate in any proceedings relating to the claim. The Executive shall permit the Company to control all proceedings related to the claim and, at its option, permit the Company to pursue or forgo any and all administrative appeals, proceedings, hearings, and conferences with the taxing authority in respect of such claim. If requested by the Company, the Executive agrees either to pay the tax claimed and sue for a refund or contest the claim in any permissible manner and to prosecute such contest to a determination before any administrative tribunal, in a court of initial jurisdiction and in one or more appellate courts as the Company shall determine; **provided, however,** that, if the Company directs the Executive to pay such claim and pursue a refund, the Company shall advance the amount of such payment to the Executive on an after-tax and interest-free basis (the “Advance”). The Company’s control of the contest related to the claim shall be limited to the issues related to the Payments and the Executive shall be entitled to settle or contest, as the case may be, any other issues raised by the Internal Revenue Service or other taxing authority. The Advance or other payments and the reimbursement of any related costs, expenses or taxes payable under this Section 4(c) and/or Section 4(e) shall be made on or before the end of the Executive’s taxable year following the taxable year in which any additional taxes are payable by the Executive or if no additional taxes are payable the Executive’s taxable year following the taxable year in which the audit or litigation is closed. Notwithstanding the above, to the extent required to avoid the penalty taxes and interest payable under Section 409A of the Code, if the Executive is a “specified person” within the meaning of that Code section, the Advance shall be delayed until the date that is six months following the Separation from Service.
- (d) Repayments. If, after receipt by the Executive of an Advance, the Executive becomes entitled to a refund with respect to the claim to which such Advance relates, the Executive shall pay the Company the amount of the refund (together with any interest paid or credited thereon after taxes applicable thereto). If, after receipt by the Executive of an Advance, a determination is made that the Executive shall not be entitled to any refund with respect to the claim and the Company does not promptly notify the Executive of its intent to contest the denial of refund, then the amount of the Advance shall not be required to be repaid by the Executive.
- (e) Further Assurances. The Company shall indemnify the Executive and hold the Executive harmless, on an after-tax basis, from any costs, expenses, penalties, fines, interest or other liabilities (“Losses”) incurred by the Executive with respect to the exercise by the Company of any of its rights under this Section 4, including, without limitation, any Losses related to the Company’s decision to contest a claim or any imputed income to the Executive resulting from any Advance or action taken on the Executive’s behalf by the Company hereunder. Subject to the last sentence of Section 4(c), the Company shall pay all reasonable and documented legal fees and expenses
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incurred under this Section 4 and shall promptly reimburse the Executive for the reasonable expenses incurred by the Executive in connection with any actions taken by the Company or required to be taken by the Executive hereunder. The Company shall also pay all of the fees and expenses of the Accounting Firm, including, without limitation, the fees and expenses related to the opinion referred to in Section 4(b).

5. **Legal Fees.** The Company will pay all reasonable and documented legal fees and expenses which the Executive may incur as a result of the Company's contesting the validity or enforceability of this Agreement.
6. **Payments Final.** In the event of a termination of the Executive's employment under the circumstances described in this Agreement, the arrangements provided for by this Agreement, and any other agreement between the Company and the Executive in effect at that time and by any other applicable plan of the Company in which the Executive then participates, will constitute the entire obligation of the Company to the Executive, and performance of that obligation will constitute full settlement of any claim that the Executive might otherwise assert against the Company on account of such termination. The Company's obligation to pay the Executive under this Agreement will be absolute and unconditional and will not be affected by any circumstance, including without limitation, any set-off, counterclaim, defense or other rights the Company may have against the Executive or anyone else as long as the Executive is not in breach of the Executive's obligations under this Agreement.
7. **Non-Competition.**
 - (a) During the two-year period following the Executive's termination of employment covered by this Agreement, the Executive will not, and will not permit any of the Affiliates of a Person employing Executive (as defined below), or any other Person, directly or indirectly, to:
 - (i) engage in competition with, or acquire a direct or indirect interest or an option to acquire such an interest in any Person engaged in competition with, the Company's Business (as defined below) in the United States (other than an interest of not more than 5 percent of the outstanding stock of any publicly traded company);
 - (ii) serve as a director, officer, employee or consultant of, or furnish information to, or otherwise facilitate the efforts of, any Person engaged in competition with the Company's Business in the United States;
 - (iii) solicit, employ, interfere with or attempt to entice away from the Company any employee who has been employed by the Company or a Subsidiary in an executive or supervisory capacity within one year prior to such solicitation, employment, interference or enticement; or
 - (iv) approach, solicit or compete directly or indirectly with the Company or any Subsidiary or any Person which at any time during the 12 months immediately preceding the Termination Date:
 - (1) was a customer, client, supplier, agent or distributor of the Company or any Subsidiary;
 - (2) was a customer, client, supplier, agent or distributor of the Company or any Subsidiary with whom employees reporting to or under the direct control of the Executive had personal contact on behalf of the Company or any Subsidiary; or

- (3) was a Person with whom the Executive had regular, substantial or a series of business dealings on behalf of the Company or any Subsidiary (whether or not a customer, client, supplier, agent or distributor of the Company or any Subsidiary).
- (b) The "Company's Business" means: (i) the manufacture and sale of stoppers, closures, containers, medical-device components and assemblies made from elastomers, metal and plastic for the health-care and consumer-products industries, and (ii) any other business conducted by the Company or any of its Subsidiaries or Affiliates during the term of this Agreement and in which the Executive has been actively involved.
8. **Confidentiality and Enforcement.** Executive's obligations under any Confidentiality and Non-Disclosure Agreements with the Company and the non-compete agreement described in Section 7 (collectively, the "Material Ancillary Agreements") are hereby affirmed. A breach of any Material Ancillary Agreements is a breach of this Agreement and all Payments and obligations of the Company under this Agreement shall cease in the event of the breach of those Material Ancillary Agreements. The Executive acknowledges that a breach of the covenants contained in this Agreement and the Material Ancillary Agreements and incorporated by reference into this Agreement will cause the Company immediate and irreparable harm for which the Company's remedies at law (such as money damages) will be inadequate. The Company shall have the right, in addition to any other rights it may have, to obtain an injunction to restrain any breach or threatened breach of such agreements. The Company may contact any Person with or for whom the Executive works after the Executive's employment by the Company ends and may send that Person a copy of those agreements and/or this Agreement. In consideration of the benefit of having the protection afforded by this Agreement, the Executive agrees that the provisions of the Material Ancillary Agreements apply to the Executive, and the Executive will be bound by them, whether or not a Change in Control occurs or the Executive actually receives the benefits specified in Section 3.
9. **Non-exclusivity of Rights.** Nothing in this Agreement shall prevent or limit the Executive's continuing or future participation in any benefit, bonus, incentive or other plan or program provided by the Company or any of its Affiliates and for which the Executive may qualify, nor shall anything herein limit or otherwise affect such rights as the Executive may have under any stock option or other agreements with the Company or any of its Affiliates. Amounts which are vested benefits or which the Executive is otherwise entitled to receive under any plan or program of the Company or any of its Affiliates at or subsequent to the date of termination shall be payable in accordance with such plan or program.
10. **Full Settlement.** Except to the extent specifically provided herein, the Company's obligation to make the payments provided for in this Agreement and otherwise to perform its obligations hereunder shall not be affected by any set-off, counterclaim, recoupment, defense or other claim, right or action which the Company may have against the Executive or others. Payments under this Agreement shall be subject to the Company's Incentive Compensation Recovery (Clawback) Policy attached as Exhibit I (and deemed to be incentive compensation for the purposes of that Policy). In no event shall the Executive be obligated to seek other employment or take any other action by way of mitigation of the amounts payable to the Executive under any of the provisions of this Agreement. The Company agrees to pay, to the full extent permitted by law, all legal fees and expenses which the Executive may reasonably incur as a result of any contest (regardless of the outcome thereof) by the Company or others of the validity or enforceability of, or liability under, any provision of this Agreement or any guarantee of performance thereof, plus in each case interest.
11. **Duration of Agreement.** This Agreement shall commence on the date first above written and will continue until terminated by the mutual written consent of the Executive and the Company or the first anniversary of said date, whichever shall first occur, provided, however, that the term hereof shall automatically be renewed for subsequent one year terms unless terminated unilaterally by either party with sixty (60) days written notice to the other; further provided, however, that unilateral termination is not permitted should a Change in Control have been announced.
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12. **Notices.** Each party giving or making notice, request, demand or other communication (each, a “Notice”) under this Agreement shall give the Notice in writing and use one of the following methods of delivery: personal delivery, registered or certified mail with return receipt requested, nationally recognized overnight courier, fax or e-mail. Such Notice shall be addressed to the last address provided by the party receiving Notice. Notices are not effective unless compliant with this Section and provided within the timeframes required in this Agreement.
13. **Successors.**
- (a) This Agreement is personal to the Executive and without the prior written consent of the Company shall not be assignable by the Executive otherwise than by will or the laws of descent and distribution. This Agreement shall inure to the benefit of and be enforceable by the Executive’s legal representatives.
 - (b) This Agreement shall inure to the benefit of and be binding upon the Company and its successors.
 - (c) The Company will require any successor (whether direct or indirect, by purchase, merger, consolidation or otherwise) to all or substantially all of the business and/or assets of the Company to expressly assume and agree to perform this Agreement in the same manner and to the same extent that the Company would be required to perform it if no such succession had taken place. As used in this Agreement, “Company” shall mean the Company as hereinbefore defined and any successor to its business and/or assets as aforesaid which assumes and agrees to perform this Agreement by operation of law, or otherwise.
14. **Miscellaneous.**
- (a) This Agreement will be binding upon and inure to the benefit of the Executive, the Executive’s personal representatives and heirs and the Company and any successor of the Company, but neither this Agreement nor any rights arising hereunder may be assigned or pledged by the Executive. The invalidity or unenforceability of any provision of this Agreement shall not affect the validity or enforceability of any other provision of this Agreement.
 - (b) The Company may withhold from any amounts payable under this Agreement such Federal, state or local taxes as shall be required to be withheld pursuant to any applicable law or regulation.
 - (c) The Executive’s failure to insist upon strict compliance with any provision hereof shall not be deemed to be waiver of such provision or any other provision thereof.
 - (d) The Executive and the Company acknowledge that the employment of the Executive by the Company is “at will”, and, prior to the effective date, may be terminated by either the Executive or the Company at any time. Except as stated in Section 2, upon a termination of the Executive’s employment or upon the Executive’s ceasing to be an officer of the Company, in each case, prior to the effective date of this Agreement, there shall be no further rights under this Agreement.
 - (e) Should any provision of this Agreement be adjudged to any extent invalid by any competent tribunal, that provision will be deemed modified to the extent necessary to make it enforceable. The invalidity or unenforceability of any provision of this Agreement (or the Material Ancillary Agreements) shall in no way affect the validity or enforceability of any other provision hereof.
 - (f) This Agreement will be governed and construed in accordance with the laws of the Commonwealth of Pennsylvania.
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- (g) This Agreement together with the Material Ancillary Agreements constitutes the entire agreement and understanding between the Company and the Executive with respect to the subject matter hereof and merges and supersedes all prior discussions, agreements and understandings between the Company and the Executive with respect to such matters including under the Executive's Change-in-Control Agreement with the Company executed prior to the date hereof (if any).
- (h) This Agreement may be executed in one or more counterparts, which together shall constitute a single agreement.

IN WITNESS WHEREOF, the parties have duly executed this Agreement as of the date first above written.

WEST PHARMACEUTICAL SERVICES, INC.

By:

Annette F. Favorite - SVP, CHRO

EXHIBIT 31.1

CERTIFICATION

I, Eric M. Green, certify that:

1. I have reviewed this quarterly report on Form 10-Q of West Pharmaceutical Services, Inc.;
2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;
4. The registrant's other certifying officer(s) and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:
 - a. Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;
 - b. Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;
 - c. Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and
 - d. Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and
5. The registrant's other certifying officer(s) and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):
 - a. All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and
 - b. Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

/s/ Eric M. Green

Eric M. Green

President and Chief Executive Officer

Date: October 31, 2017

EXHIBIT 31.2

CERTIFICATION

I, William J. Federici, certify that:

1. I have reviewed this quarterly report on Form 10-Q of West Pharmaceutical Services, Inc.;
2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;
4. The registrant's other certifying officer(s) and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:
 - a. Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;
 - b. Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;
 - c. Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and
 - d. Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and
5. The registrant's other certifying officer(s) and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):
 - a. All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and
 - b. Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

/s/ William J. Federici

William J. Federici

Senior Vice President and Chief Financial Officer

Date: October 31, 2017

EXHIBIT 32.1

**CERTIFICATION PURSUANT TO 18 U.S.C. SECTION 1350
AS ADOPTED PURSUANT TO SECTION 906 OF
THE SARBANES-OXLEY ACT OF 2002**

In connection with the Quarterly Report on Form 10-Q of West Pharmaceutical Services, Inc. (the "Company") for the period ended September 30, 2017, as filed with the Securities and Exchange Commission on the date hereof (the "Report"), I, Eric M. Green, President and Chief Executive Officer of the Company, certify, pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, that:

- (1) The Report fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934, as amended; and
- (2) The information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Company.

/s/ Eric M. Green

Eric M. Green

President and Chief Executive Officer

Date: October 31, 2017

EXHIBIT 32.2

**CERTIFICATION PURSUANT TO 18 U.S.C. SECTION 1350
AS ADOPTED PURSUANT TO SECTION 906 OF
THE SARBANES-OXLEY ACT OF 2002**

In connection with the Quarterly Report on Form 10-Q of West Pharmaceutical Services, Inc. (the "Company") for the period ended September 30, 2017, as filed with the Securities and Exchange Commission on the date hereof (the "Report"), I, William J. Federici, Senior Vice President and Chief Financial Officer of the Company, certify, pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, that:

- (1) The Report fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934, as amended; and
- (2) The information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Company.

/s/ William J. Federici
William J. Federici
Senior Vice President and Chief Financial Officer

Date: October 31, 2017