

MOODY'S

INVESTORS SERVICE

RATING METHODOLOGY

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Rating Methodology Alcoholic Beverages

This rating methodology replaces the *Alcoholic Beverages Methodology* published in February 2020. We have reordered and have made editorial updates to various sections of the methodology, and we have changed the presentation of the scorecard. We have removed outdated information. These updates do not change our methodological approach.

Scope

This methodology applies to companies globally that are primarily* engaged in the production, marketing and distribution of alcoholic beverages, including spirits, wine, and beer.

*The determination of a company's primary business is generally based on the preponderance of the company's business risks, which are usually proportionate to the company's revenues, earnings and cash flows.

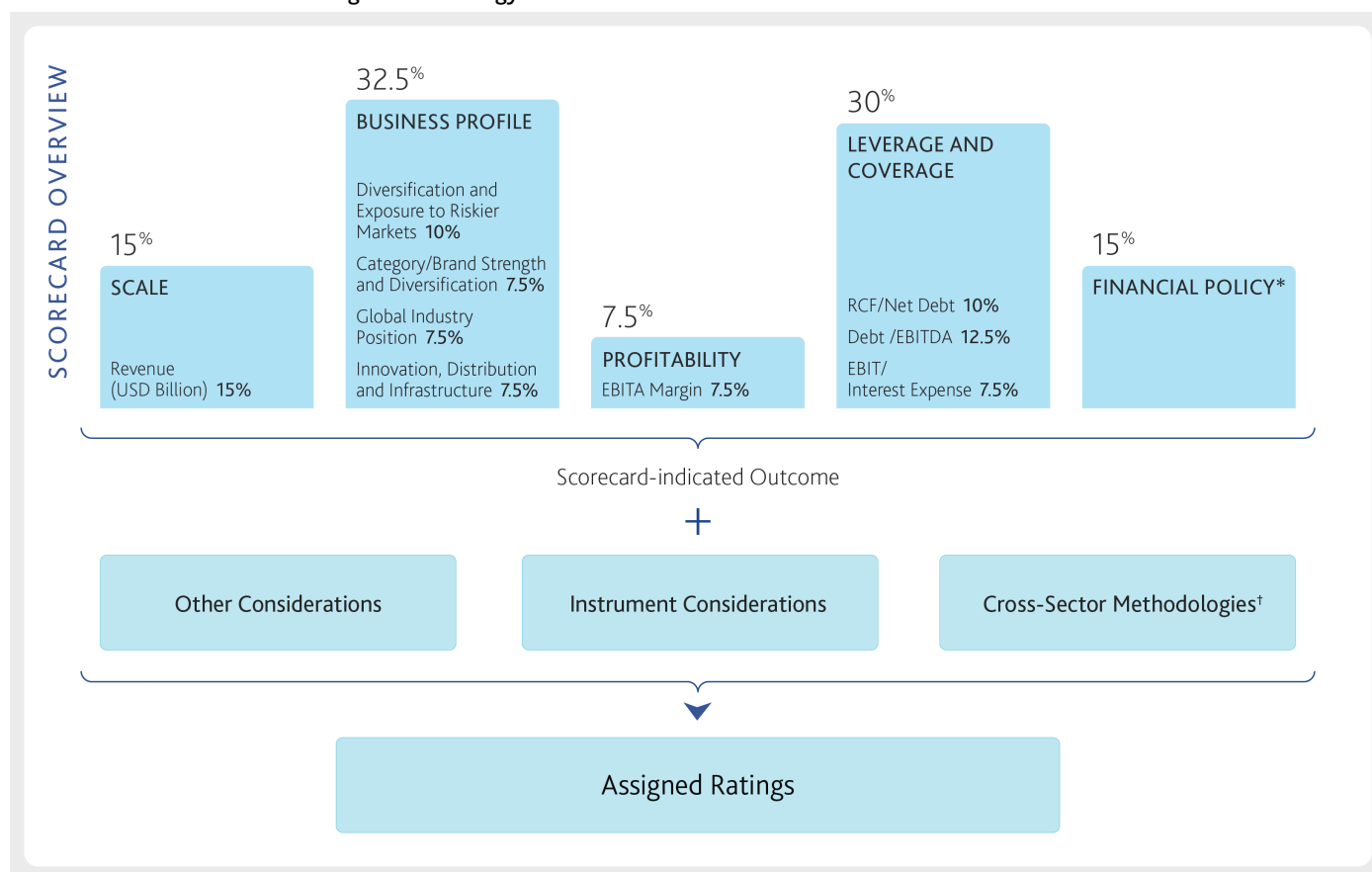
Rating approach

In this rating methodology, we explain our general approach to assessing credit risk of issuers in the alcoholic beverages industry globally, including the qualitative and quantitative factors that are likely to affect rating outcomes in this sector. We seek to incorporate all material credit considerations in ratings and to take the most forward-looking perspective that visibility into these risks and mitigants permits.

The following schematic illustrates our general framework for the analysis of alcoholic beverage companies, which includes the use of a scorecard.¹ The scorecard-indicated outcome is not expected to match the actual rating for each company. For more information, see the "Other considerations" and "Limitations" sections.

Exhibit 1

Illustration of the alcoholic beverages methodology framework



* This factor has no sub-factors.

† Some of the methodological considerations described in one or more cross-sector rating methodologies may be relevant to ratings in this sector. A link to a list of our sector and cross-sector methodologies can be found in the "Moody's related publications" section.

Source: Moody's Investors Service

Alcoholic beverages scorecard

For general information about how we use the scorecard and for a discussion of scorecard mechanics, please see the "Using the scorecard to arrive at a scorecard-indicated outcome" section. The scorecard does not include or address every factor that a rating committee may consider in assigning ratings in this sector. Please see the "Other considerations" and "Limitations" sections.

Exhibit 2

Alcoholic beverages scorecard

SCALE (15%)		BUSINESS PROFILE (32.5%)			PROFITABILITY (7.5%)	LEVERAGE and COVERAGE (30%)			FINANCIAL POLICY (15%)
Revenue (USD Billions) ^[1] (15%)	Diversification and Exposure to Riskier Markets (10%)	Category / Brand Strength and Diversification (7.5%)	Global Industry Position (7.5%)	Innovation, Distribution and Infrastructure (7.5%)	EBITA Margin ^[2] (7.5%)	RCF / Net Debt ^[3] (10%)	Debt / EBITDA ^[4] (12.5%)	EBIT / Interest Expense ^[5] (7.5%)	Financial Policy (15%)
Aaa	≥ \$40	Spirits: Presence in three alcoholic beverage categories; extremely diverse portfolio covering essentially all spirits types; and 20 or more spirits brands in global top 100 rankings.	Established market leader with undisputed position across almost all profit pools.	Track record of extremely strong and sustained investments in brands; excellent pipeline of new products with very strong growth potential; and infrastructure or route to consumer is a clear barrier to entry in almost all markets.	≥ 40%	≥ 70%	≤ 0.5x	≥ 20x	Expected to have extremely conservative financial policies (including risk and liquidity management); very stable metrics; essentially no event risk that would cause a rating transition; and public commitment to a very strong credit profile over the long term.
		Wine: Presence in three alcoholic beverage categories; extremely diverse portfolio of wine types covering all price points and a wide range of grape types; and at least 10 spirits brands in global top 100 rankings or a few beer brands in global top 15 rankings. Beer: Presence in three alcoholic beverage categories; extremely diverse portfolio of beer types covering multiple price points and flavors; and at least 5 spirits in global top 100 rankings and more than 5 brands in top 15 rankings, including several global brands.							

SCALE (15%)		BUSINESS PROFILE (32.5%)			PROFITABILITY (7.5%)	LEVERAGE and COVERAGE (30%)			FINANCIAL POLICY (15%)
Revenue (USD Billions) ^[1] (15%)	Diversification and Exposure to Riskier Markets (10%)	Category / Brand Strength and Diversification (7.5%)	Global Industry Position (7.5%)	Innovation, Distribution and Infrastructure (7.5%)	EBITA Margin ^[2] (7.5%)	RCF / Net Debt ^[3] (10%)	Debt / EBITDA ^[4] (12.5%)	EBIT / Interest Expense ^[5] (7.5%)	Financial Policy (15%)
Aa	\$25 - \$40	Very diversified operations and distribution with typically no region accounting for more than 30% of sales and with very limited risk to sales due to exposure to riskier markets.	No. 1 or No. 2 market position across almost all profit pools.	Strong levels of investments in brands; strong pipeline of new products with strong growth potential; and infrastructure or route to consumer is a solid competitive advantage in most markets.	35% - 40%	50% - 70%	0.5x - 1.5x	15x - 20x	Expected to have very conservative financial policies (including risk and liquidity management); stable metrics; minimal event risk that would cause a rating transition; and public commitment to a strong credit profile over the long term.
		Spirits: Presence in at least two alcoholic beverage categories; highly diverse portfolio covering most spirits types; and 15 or more brands in global top 100 rankings. Wine: Presence in at least two alcoholic beverage categories; highly diverse portfolio of wine types covering a wide range of price points and grape types; and 5 or more spirits brands in global top 100 rankings or one or two beer brands in global top 15 rankings. Beer: Presence in at least two alcoholic beverage categories; highly diverse portfolio of beer types covering multiple price points and flavors; at least 5 in top 15 rankings with more than two global brands.							
A	\$15 - \$25	Diversified operations and distribution with typically no region accounting for more than 40% of sales and with limited risk to sales due to exposure to riskier markets.	No. 1 or No. 2 market position in multiple profit pools.	High levels of investments in brands; ability to develop new products with strong growth potential; infrastructure or route to consumer is a solid competitive advantage in core markets.	30% - 35%	35% - 50%	1.5x - 2.5x	10x - 15x	Expected to have predictable financial policies (including risk and liquidity management) that preserve creditor interests; although modest event risk exists, the effect on leverage is likely to be small and temporary; strong commitment to a solid credit profile.
		Spirits: Very diverse portfolio covering a broad range of spirits types; 10 or more brands in global top 100 rankings. Wine: Presence in at least two alcoholic beverage categories; broad range of wine types covering multiple price points and grape types; several globally recognized premium brands. Beer: Presence in at least two alcoholic beverage categories; very diverse portfolio of beer types covering multiple price points and flavors; at least three brands in top 15 rankings with at least one or two global brands.							

	SCALE (15%)		BUSINESS PROFILE (32.5%)			PROFITABILITY (7.5%)	LEVERAGE and COVERAGE (30%)			FINANCIAL POLICY (15%)
	Revenue (USD Billions) ^[1] (15%)	Diversification and Exposure to Riskier Markets (10%)	Category / Brand Strength and Diversification (7.5%)	Global Industry Position (7.5%)	Innovation, Distribution and Infrastructure (7.5%)	EBITA Margin ^[2] (7.5%)	RCF / Net Debt ^[3] (10%)	Debt / EBITDA ^[4] (12.5%)	EBIT / Interest Expense ^[5] (7.5%)	Financial Policy (15%)
Baa	\$7.5 - \$15	Somewhat diversified operations and distribution with typically one region accounting for more than 40% of sales or with moderate risk to sales due to exposure to riskier markets.	Spirits: Well-diversified portfolio covering several spirits types; 5 or more brands in global top 100 rankings. Wine: Well-diversified portfolio of wine types covering a range of price points and grape types with a number of regionally well-recognized premium brands. Beer: Well-diversified portfolio of beer types, with at least one or two brands in top 15 rankings.	Solid competitor in multiple profit pools.	Good levels of investments in brands and to rejuvenate product pipeline; defensible infrastructure or route to consumer in core markets.	22.5% - 30%	20% - 35%	2.5x - 3.5x	4x - 10x	Expected to have financial policies (including risk and liquidity management) that balance the interests of creditors and shareholders; some risk that debt-funded acquisitions or shareholder distributions could lead to a weaker credit profile.
Ba	\$2.5 - \$7.5	Operations and distribution are concentrated with typically one region accounting for more than 75% of sales or with material risk to sales due to exposure to riskier markets.	Spirits: Moderately concentrated portfolio covering a limited number of spirits types; fewer than 5 brands in global top 100 rankings. Wine: Moderately concentrated portfolio of wine types covering a somewhat narrow range of price points, grape types or brands. Beer: Moderately concentrated portfolio of beer types, mostly regional and local brands, with limited number of beer types.	Tactical or defensive competitor in fragmented markets.	Adequate levels of investments in brands; possible gaps in product pipeline; adequate infrastructure or route to consumer but show some vulnerabilities.	15% - 22.5%	12.5% - 20%	3.5x - 4.5x	2x - 4x	Expected to have financial policies (including risk and liquidity management) that tend to favor shareholders over creditors; above-average financial risk resulting from shareholder distributions, acquisitions or other significant capital structure changes.

SCALE (15%)		BUSINESS PROFILE (32.5%)			PROFITABILITY (7.5%)	LEVERAGE and COVERAGE (30%)			FINANCIAL POLICY (15%)
Revenue (USD Billions) ^[1] (15%)	Diversification and Exposure to Riskier Markets (10%)	Category / Brand Strength and Diversification (7.5%)	Global Industry Position (7.5%)	Innovation, Distribution and Infrastructure (7.5%)	EBITA Margin ^[2] (7.5%)	RCF / Net Debt ^[3] (10%)	Debt / EBITDA ^[4] (12.5%)	EBIT / Interest Expense ^[5] (7.5%)	Financial Policy (15%)
B	\$1 - \$2.5	Operations and distribution are heavily concentrated with typically one region accounting for more than 90% of sales or with high risk to sales due to exposure to riskier markets. Spirits: Moderately concentrated portfolio covering a limited number of spirits types. Wine: Small house concentrated in a narrow range of price points or grape types. Beer: Local beer company with concentrated portfolio of beer types.	Marginal competitor, with a volatile market position.	Limited investment or ability to develop new products and brands; somewhat inefficient or under-invested in infrastructure or route to consumer.	10% - 15%	5% - 12.5%	4.5x - 6.5x	1x - 2x	Expected to have financial policies (including risk and liquidity management) that favor shareholders over creditors; high financial risk resulting from shareholder distributions, acquisitions or other significant capital structure changes.
Caa	\$0.5 - \$1	Country, state or multi-state player or very high risk to sales due to exposure to riskier markets. Spirits: Concentrated on one or two spirits types. Wine: Small wine house with only a few wine types. Beer: Specialty beer company with a few beer types only.	Market position is volatile and vulnerable to a new entrant or any other change.	Very limited investment in brand or product pipeline; inefficient infrastructure or route to consumer.	5% - 10%	0% - 5%	6.5x - 10x	0.5x - 1x	Expected to have financial policies (including risk and liquidity management) that create elevated risk of debt restructuring in varied economic environments.
Ca	< \$0.5	Local player or extremely high risk to sales due to exposure to riskier markets. Spirits: Concentrated on one spirit type. Wine: Small wine house with one or two products. Beer: Concentrated on one or two beer products.	Market position is unsustainable.	No investments in brands and essentially no product pipeline; lack of infrastructure or route to consumer.	< 5%	< 0%	> 10x	< 0.5x	Expected to have financial policies (including risk and liquidity management) that create elevated risk of debt restructuring even in healthy economic environments.

[1] For the linear scoring scale, the Aaa endpoint value is \$100 billion. A value of \$100 billion or better equates to a numeric score of 0.5. The Ca endpoint value is zero. A value of zero equates to a numeric score of 20.5.

[2] For the linear scoring scale, the Aaa endpoint value is 95%. A value of 95% or better equates to a numeric score of 0.5. The Ca endpoint value is 0%. A value of 0% equates to a numeric score of 20.5.

[3] For the linear scoring scale, when net debt is positive, the Aaa endpoint value is 100%. A value of 100% or better equates to a numeric score of 0.5. The Ca endpoint value is (5)%. A value of (5)% or worse equates to a numeric score of 20.5. When net debt is negative and RCF is positive, the numeric score is 0.5. When net debt is negative and RCF is negative or zero, the numeric score is 19.5.

[4] For the linear scoring scale, the Aaa endpoint value is 0x. A value of 0x or better equates to a numeric score of 0.5. The Ca endpoint value is 12x. A value of 12x or worse equates to a numeric score of 20.5, as does a negative Debt/EBITDA value.

[5] For the linear scoring scale, the Aaa endpoint value is 40x. A value of 40x or better equates to a numeric score of 0.5. The Ca endpoint value is 0x. A value of 0x or worse equates to a numeric score of 20.5.

Source: Moody's Investors Service

Discussion of the scorecard factors

In this section, we explain our general approach for scoring each scorecard factor or sub-factor, and we describe why they are meaningful as credit indicators.

Factor: Scale (15% weight)

Why it matters

Scale is an important indicator of the overall depth of a company's business and its resilience to shocks, such as sudden shifts in demand or rapid cost increases.

Scale also greatly influences an alcoholic beverage company's market strength and the availability of capital. In addition, scale is an important indicator of an alcoholic beverage company's capacity to sustain earnings and generate cash flow.

How we assess it for the scorecard

REVENUE:

Scale is measured (or estimated in the case of forward-looking expectations) using total reported revenue, net of excise duties, in billions of US dollars.

Factor: Business Profile (32.5% weight)

Why it matters

The business profile of an alcoholic beverage company is an important indicator of its ability to generate sustainable earnings and operating cash flows. Core aspects of an alcoholic beverage company's business profile are its geographic diversification and exposure to riskier markets for alcoholic beverages, the strength and diversification of its product portfolio, its overall industry position, as well as the strength and depth of its product innovation, distribution networks and infrastructure, all of which can reduce market, political and regulatory risks.

This factor comprises four qualitative sub-factors:

Diversification and Exposure to Riskier Markets

Geographic diversification provides a company with more cushion to withstand local or regional economic downturns and helps to smooth fluctuations in cash flow due to seasonality or the weather.

A company's level of exposure to riskier alcoholic beverage markets is also important, because the benefits of geographic diversification diminish where there is heightened exposure to riskier markets. For alcoholic beverage companies, riskier markets may be characterized by currency and economic volatility, political instability, markets with high excise taxes, tariffs or a lack of predictability in terms of government policies and regulations for alcoholic beverages.

Category/Brand Strength and Diversification

Diversity at the category level and at the brand level within categories is critical because having separate and counterbalancing streams of cash flow, particularly from a variety of demographic cohorts, supports financial stability. We define the three main alcoholic beverage categories as beer, wines, and spirits, which correspond to different demand characteristics. Within a category, brand strength is also an important credit consideration because a strong brand tends to lead to more consistent and sustainable cash flow over the long term.

Global Industry Position

Alcoholic beverage companies with strong market positions tend to be more profitable because of their larger local scale relative to peers, which yields benefits in terms of product distribution, bargaining power with suppliers and the ability to increase prices, e.g., to pass on higher costs to customers. Profitability can vary from one market to another, but it tends to be higher in markets where a company has a leading market position.

Innovation, Distribution and Infrastructure

Innovative products and packaging, as well as marketing strategies, are important in order for a company to adapt to changing consumer tastes, economic or environmental considerations, or to attract or maintain customer demand in mature, low-growth markets.

Proven innovation capacity and reliable infrastructure to distribute products to consumers can also support a company's market position. Companies with strong track records of successful innovation, solid relationships with distributors and reliable logistics infrastructure typically have stronger organic growth over time.

How we assess it for the scorecard

Scoring for this factor is based on four sub-factors: Diversification and Exposure to Riskier Markets; Category/Brand Strength and Diversification; Global Industry Position; and Innovation, Distribution and Infrastructure.

DIVERSIFICATION AND EXPOSURE TO RISKIER MARKETS:

Scoring for this sub-factor is primarily based on sales diversification by region, country or state, as well as on the risks to sales owing to exposure to riskier markets.

We typically define regions as broad geographic areas where economic conditions and consumer behavior and consumption trends for alcoholic beverages are very similar. There can be multiple regions within a continent or even some countries. Companies with more diversified operations and low sales concentration in any region typically receive higher scores for this sub-factor than companies with very high sales concentration in a given region or single country. Companies that operate within a single, large country and that benefit from a diverse pool of customers would typically receive a higher score for this sub-factor than companies that operate in a smaller country with a concentrated pool of customers.

Companies that are exposed to riskier alcoholic beverage markets may receive lower scores for this sub-factor. We typically define riskier alcoholic beverage markets as geographic areas that are susceptible to heightened economic (including currency) instability, or political or regulatory interference to the sale of alcoholic beverages. We typically consider the amount of overall sales exposed to these risks as well as the extent of these risks. We also typically consider policy dynamics in the regions of operations that may affect the supply of alcoholic beverages, such as higher taxes, restrictions on sales or a ban on sales. Companies with a presence in markets with higher risks to overall alcoholic beverage sales typically receive lower scores for this sub-factor.

CATEGORY/BRAND STRENGTH AND DIVERSIFICATION:

We define the three main alcoholic beverage categories as beer, wines, and spirits, which correspond to different demand characteristics. We typically consider whether a company produces and distributes more than one category of alcoholic beverage. We also consider whether a company is present in multiple types² within each category, including premium and nonpremium products or types of beer (such as lagers and specialty beers), wines (such as premium, value, domestic or imported), and spirits (such as whiskies, brandies, vodka, gin, rum and tequila, or premium, super-premium or craft products). Companies that are present in more than one category of alcoholic beverages or have well-diversified types of products in their portfolios tend to have more cash flow stability and typically receive higher scores for this sub-factor.

In assessing product diversification, we also consider the strength of the brands in the company's portfolio because the benefits of diversification are more sustained with stronger brands. In some cases, the strength of a company's portfolio of brands can mitigate the negative effects of lower diversification. Our assessment of brand strength typically considers data compiled by industry sources that rank brands globally, typically based on the volumes of spirits, wines, and beers sold and shipped. We may also consider the overall trend of market share as an indicator of a company's ability to sustain its sales volumes and leverage its brand strength in order to increase prices. We also typically assess a company's track record and potential for maintaining or improving its operating margins year over year and its profitability relative to competitors.

We may also consider a company's ability to generate cash flow from products or services other than alcoholic beverages that offer growth opportunities, e.g., beverages with little or no alcohol but that belong to one of the three defined categories.

GLOBAL INDUSTRY POSITION:

Scoring for this qualitative sub-factor is primarily based on an assessment of a company's market position in its profit pools (i.e., the amount of profit within a market). We assess market position based on volume in absolute terms and whether the company is gaining or losing market share. Our assessment is typically based on information from third-party data providers and the companies.

INNOVATION, DISTRIBUTION AND INFRASTRUCTURE:

Scoring for this qualitative sub-factor is primarily based on the company's track record for investing in its brands. We consider the company's ability to develop new products with strong growth potential. Innovation can take many forms, encompassing new products, product extensions, new packaging and labels, and innovative advertising and promotion.

We also consider the quality and depth of the company's overall distribution network, typically including the quality of its supply chain, the strength of its relationships with its wholesalers, distributors or retailers, and its strength within on-premise and off-premise³ distribution channels. An alcoholic beverage company's digital strategy and online presence, including resources and technologies to analyze market data and enhance the distribution process, may also be an important consideration.

Factor: Profitability (7.5% weight)

Why it matters

Profitability is an important indicator of an alcoholic beverage company's strength and durability, and it can reflect the competitiveness of its product portfolio. It thus provides indications of the ability to withstand economic downturns and service debt and other obligations. There can be large differences among companies operating in the same sub-segment of the alcoholic beverage industry based on their respective market positions, pricing flexibility or cost efficiencies.

EBITA Margin

The ratio of earnings before interest, taxes and amortization to revenue (EBITA/Revenue) is an important measure of profitability and can indicate a company's ability to withstand downturns in the economy and pay debt and other obligations.

How we assess it for the scorecard

EBITA MARGIN:

We use the ratio of earnings before interest, taxes and amortization to revenue (EBITA Margin).

Factor: Leverage and Coverage (30% weight)

Why it matters

Leverage and cash flow coverage measures provide important indications of an alcoholic beverage company's financial flexibility and long-term viability. Strength in this area is an indicator of a company's investment capabilities, and its ability to withstand fluctuations in the business cycle and respond to unexpected challenges.

This factor comprises three quantitative sub-factors:

RCF / Net Debt

The ratio of retained cash flow to net debt (RCF/Net Debt) is an indicator of a company's cash generation (before working capital movements and capital expenditures, and after dividend payments) relative to net debt (total debt minus cash and cash equivalents).

Debt / EBITDA

The ratio of total debt to earnings before interest, taxes, depreciation and amortization (Debt/EBITDA) is an indicator of debt serviceability and financial leverage. The ratio is commonly used in this sector as a proxy for comparative financial strength.

EBIT / Interest Expense

The ratio of earnings before interest and taxes to interest expense (EBIT/Interest Expense) is an indicator of a company's ability to meet its interest obligations.

How we assess it for the scorecard

Scoring is based on three sub-factors: RCF/Net Debt; Debt/EBITDA; and EBIT/Interest Expense.

RCF / NET DEBT:

The numerator is retained cash flow, and the denominator is net debt (total debt minus cash and cash equivalents).

DEBT / EBITDA:

The numerator is total debt, and the denominator is EBITDA.

EBIT / INTEREST EXPENSE:

The numerator is EBIT, and the denominator is interest expense.

Factor: Financial Policy (15% weight)**Why it matters**

Financial policy encompasses management and board tolerance for financial risk and commitment to a strong credit profile. It is an important rating determinant, because it directly affects debt levels, credit quality, the future direction for the company and the risk of adverse changes in financing and capital structure.

Financial risk tolerance serves as a guidepost for investment and capital allocation. An expectation that management will be committed to sustaining an improved credit profile is often necessary to support an upgrade. For example, we may not upgrade the ratings of a company that has built flexibility within its rating category if we believe the company will use that flexibility to fund a strategic acquisition, cash distribution to shareholders, spin-off or other leveraging transaction. Conversely, a company's credit rating may be better able to withstand a moderate leveraging event if management places a high priority on returning credit metrics to pre-transaction levels and has consistently demonstrated the commitment to do so through prior actions. Liquidity management⁴ is an important aspect of overall risk management and can provide insight into risk tolerance.

How we assess it for the scorecard

We assess the issuer's desired capital structure or targeted credit profile, its history of prior actions, including its track record of risk and liquidity management, and its adherence to its commitments. Attention is paid to management's operating performance and use of cash flow through different phases of economic and industry cycles. Also of interest is the way in which management responds to key events, such as changes in the credit markets and liquidity environment, legal actions, competitive challenges or regulatory pressures. Considerations include a company's public commitments in this area, its track record for adhering to commitments and our views on the ability of the company to achieve its targets.

When considering event risks in the context of scoring financial policy, we assess the likelihood and potential negative impact of M&A or other types of balance-sheet-transforming events. Management's appetite for M&A activity is assessed, with a focus on the type of transactions (i.e., core competency or new business) and funding decisions. Frequency and materiality of acquisitions and previous financing choices are evaluated. A history of debt-financed or credit-transforming acquisitions will generally result in a lower score for this factor. We may also consider negative repercussions caused by shareholders' willingness to sell the company.

We also consider a company's and its owners' past record of balancing shareholder returns and debtholders' interests. A track record of favoring shareholder returns at the expense of debtholders is likely to be viewed negatively in scoring this factor.

Other considerations

Ratings may reflect consideration of additional factors that are not in the scorecard, usually because the factor's credit importance varies widely among the issuers in the sector or because the factor may be important only under certain circumstances or for a subset of issuers. Such factors include financial controls and the quality of financial reporting; corporate legal structure; the quality and experience of management; assessments of corporate governance as well as environmental and social considerations; exposure to uncertain licensing regimes; and possible government interference in some countries. Regulatory, litigation, liquidity, technology and reputational risk as well as changes to consumer and business spending patterns, competitor strategies and macroeconomic trends also affect ratings.

Following are some examples of additional considerations that may be reflected in our ratings and that may cause ratings to be different from scorecard-indicated outcomes.

Regulatory Considerations

Companies in the alcoholic beverages sector are subject to varying degrees of regulatory oversight. Effects of these regulations may entail higher costs or limitations on operations in affected regions, and higher potential for demand substitution. Regional differences in regulation, implementation or enforcement may advantage or disadvantage particular companies.

Our view of future regulations plays an important role in our expectations of future financial metrics as well as our confidence level in the ability of a company to generate sufficient cash flows relative to its debt burden over the medium and longer term. Regulatory considerations may also play a role in our assessment of a company's business profile. In some circumstances, regulatory considerations may also be a rating factor outside the scorecard, for instance when regulatory change is swift.

Environmental, Social and Governance Considerations

Environmental, social and governance (ESG) considerations may affect the ratings of issuers in the alcoholic beverages industry. For information about our approach to assessing ESG issues, please see our methodology that describes our general principles for assessing these risks.⁵

Social risks, including not only shifts in consumer tastes that can accompany changing demographics but also evolving regulatory and societal attitudes toward products containing alcohol, can affect demand for alcoholic beverages. The impact would generally depend on the mix of alcoholic categories and brands in a company's portfolio against demand trends and may affect a company's score for the Category/Brand Strength and Diversification sub-factor, for example.

The main source of environmental risk is a potential lack of clean water. In addition, severe droughts that limit the production of grapes and grains, from which most alcoholic beverages are made, can result in increasing costs. However, ingredients represent a relatively small percentage of total costs, and companies are typically able to pass along these costs to consumers. Alcoholic beverage companies, especially larger companies, can diversify their sources of water and agricultural inputs, which could mitigate this risk.

Financial Controls

We rely on the accuracy of audited financial statements to assign and monitor ratings in this sector. The quality of financial statements may be influenced by internal controls, including the proper tone at the top, centralized operations, and consistency in accounting policies and procedures. Auditors' reports on the effectiveness of internal controls, auditors' comments in financial reports and unusual restatements of financial statements or delays in regulatory filings may indicate weaknesses in internal controls.

Management Strategy

The quality of management is an important factor supporting a company's credit strength. Assessing the execution of business plans over time can be helpful in assessing management's business strategies, policies and philosophies and in evaluating management performance relative to performance of competitors and our projections. Management's track record of adhering to stated plans, commitments and guidelines provides insight into management's likely future performance, including in stressed situations.

Excess Cash Balances

Some companies in this sector may maintain cash balances (meaning liquid short-term investments as well as cash) that are far in excess of their operating needs. This excess cash can be an important credit consideration; however, the underlying policy and motivations of the issuer in holding high cash balances are often as or more important in our analysis than the level of cash held. We have observed significant variation in company behavior based on differences in financial philosophy, investment opportunities, availability of committed revolving credit facilities and shareholder pressures.

Most issuers need to retain some level of cash in their business for operational purposes. The level of cash required to run a business can vary based on the region(s) of operation and the specific sub-sectors in which the issuer operates. Some issuers have very predictable cash needs and others have much broader intra-period swings, for instance related to mark-to-market collateral requirements under hedging instruments. Some companies may hold large levels of cash at times because they operate without committed, long-term bank borrowing facilities. Some companies may hold cash on the balance sheet to meet long-term contractual liabilities, whereas other companies with the same types of liabilities have deposited cash into trust accounts that are off balance sheet.

The level of cash that issuers are willing to hold can also vary over time based on the cost of borrowing and macroeconomic conditions. The same issuer may place a high value on cash holdings in a major recession or financial crisis but seek to pare cash when inflation is high. As a result, cash on the balance sheet is most often considered qualitatively, by assessing the issuer's track record and financial and liquidity policies rather than by measuring how a point-in-time cash balance would affect a specific metric.

Across all corporate sectors, an important shareholder-focused motivation for cash holdings, sometimes over very long periods, is cash for acquisitions. In these cases, we do not typically consider that netting cash against the issuer's current level of debt is analytically meaningful; however, the cash may be a material mitigant in our scenario analyses of potential acquisitions, share buybacks or special dividends. Tax minimization strategies have at times been another primary motivation for holding large cash balances. Given shareholder pressures to return excess cash holdings, when these motivations for holding excess cash are eliminated, we generally expect that a large portion of excess cash will be used for dividends and share repurchases.

By contrast, some companies maintain large cash holdings for long periods of time in excess of their operating and liquidity needs solely due to conservative financial policies, which provides a stronger indication of an enduring approach that will benefit creditors. For instance, some companies have a policy to routinely pre-fund upcoming required debt payments well in advance of the stated maturity. Such companies may also have clearly stated financial targets based on net debt metrics and a track record of maintaining their financial profile within those targets.

While the scorecard in this methodology uses certain leverage and coverage ratios with total (or gross) debt, we do consider excess cash holdings in our rating analysis, including in our assessment of the financial and liquidity policy. For issuers where we have clarity into the extent to which cash will remain on the balance sheet and/or be used for creditor-friendly purposes, excess cash may be considered in a more quantitative manner. While we consider excess cash in our credit assessment for ratings, we do not typically adjust the balance sheet debt for any specific amount because this implies greater precision than we think is appropriate for the uncertain future uses of cash. However, when cash holdings are unusually large relative to debt, we may refer to debt net of cash, or net of a portion of cash, in our credit analysis and press releases in order to provide additional insight into our qualitative assessment of the credit benefit. Alternatively, creditor-friendly use of cash may be factored into our forward view of metrics, for instance when the cash is expected to be used for debt-repayment. We may also cite rating threshold levels for certain issuers based on net debt ratios, particularly when these issuers have publicly stated financial targets based on net debt metrics.

Even when the eventual use for excess cash is likely to be for purposes that do not benefit debtholders, large holdings provide some beneficial cushion against credit deterioration, and cash balances are often considered in our analysis of near-term liquidity sources and uses. Such downside protection is usually more important for low rated companies than for highly rated companies due to differences in credit stability and the typically shorter distance from potential default for issuers at the lower end of the ratings spectrum.

Liquidity

Liquidity is an important rating consideration for all alcoholic beverage companies, although it may not have a substantial impact in discriminating between two issuers with a similar credit profile. Liquidity can be particularly important for companies in highly seasonal operating environments where working capital needs must be considered, and ratings can be heavily affected by extremely weak liquidity. We form an opinion on likely near-term liquidity requirements from the perspective of both sources and uses of cash. For more details on our approach, please see our liquidity cross-sector methodology.⁶

Additional Metrics

The metrics included in the scorecard are those that are generally most important in assigning ratings to companies in this industry; however, we may use additional metrics to inform our analysis of specific companies. These additional metrics may be important to our forward view of metrics that are in the scorecard or other rating factors.

For example, free cash flow is not always an important differentiator of credit profiles. Strong companies with excellent investment opportunities may demonstrate multiyear periods of negative free cash flow while retaining solid access to capital and credit, because these investments will yield stable cash flows in future years. Weaker companies with limited access to credit may have positive free cash flow for a period of time because they have curtailed the investments necessary to maintain their assets and future cash-generating prospects. However, in some cases, free cash flow can be an important driver of the future liquidity profile of an issuer, which, as noted above, can have a meaningful impact on ratings.

Non-wholly Owned Subsidiaries

Some companies in the alcoholic beverage sector choose to dilute their equity stake in certain material subsidiaries, for example through an initial public offering, which may in some cases negatively impact future financial flexibility. While improving cash holdings on a one-off basis, selling minority interests in subsidiaries may have a negative impact on cash flows available to the parent company that may not be fully reflected in consolidated financial statements.⁷ The parent's share of dividend flows from a non-wholly owned subsidiary is reduced, and minority stakes can increase structural subordination, since dividend flows to minority interest holders are made before the cash flows are available to service debt at the parent company. While less frequent, sale of a minority stake may be accompanied by policies protective of the subsidiary that further limit the parent's financial flexibility, for instance restrictions on cash pooling with other members of the corporate family, limitations on dividends and distributions, or arms-length business requirements. Minority stakeholders may have seats on the board of the subsidiary. In many cases, we consider the impact of non-wholly owned subsidiaries qualitatively. However, in some cases we may find that an additional view of financial results, such as analyzing cash flows on a proportional consolidation basis, may be very useful to augment our analysis based on consolidated financial statements. When equity dilution or structural subordination arising from non-wholly owned subsidiaries is material and negative, the credit impact is captured in ratings but may not be fully reflected in scorecard-indicated outcomes.

For companies that hold material minority interest stakes, consolidated funds from operations typically includes the dividends received from the minority subsidiary, while none of its debt is consolidated. When such dividends are material to the company's cash flows, these cash flows may be subject to interruption if they are required for the minority subsidiary's debt service, capital expenditures or other cash needs. When minority interest dividends are material, we may also find that proportional consolidation or another additional view of financial results is useful to augment our analysis of consolidated financials. We would generally also consider structural subordination in these cases.⁸ When these credit considerations are material, their impact is captured in ratings but may not be fully reflected in scorecard-indicated outcomes.

Event Risk

We also recognize the possibility that an unexpected event could cause a sudden and sharp decline in an issuer's fundamental creditworthiness, which may cause actual ratings to be lower than the scorecard-indicated outcome. Event risks — which are varied and can range from leveraged recapitalizations to sudden regulatory changes or liabilities from an accident — can overwhelm even a stable, well-capitalized firm. Some other types of event risks include M&A, asset sales, spin-offs, litigation, pandemics, significant cyber-crime events and shareholder distributions.

Parental Support

Ownership can provide ratings lift for a particular company in the alcoholic beverage sector if it is owned by a highly rated owner(s) and is viewed to be of strategic importance to those owners. In our analysis of parental support, we consider whether the parent has the financial capacity and strategic incentives to provide support to the issuer in times of stress or financial need (e.g., a major capital investment or advantaged operating agreement), or has already done so in the past. Conversely, if the parent puts a high dividend burden on the issuer, which in turn reduces its flexibility, the ratings would reflect this risk.

Government-related issuers may receive ratings uplift due to expected government support. However, for certain issuers, government ownership can have a negative impact on the underlying Baseline Credit Assessment.⁹ For example, price controls, onerous taxation and high distributions can have a negative effect on an issuer's underlying credit profile.

Other Institutional Support

In some countries, large corporate issuers have received government or banking support in the event of financial difficulties because of their overall importance to the functioning of the economy. In Japan, our corporate ratings consider the support that has operated there for large and systemically important organizations. Over the years, this has resulted in lower levels of default than might otherwise have occurred. Our approach considers whether the presence of group and banking relationships may provide support when systemically important companies encounter significant financial stress.

Seasonality

Seasonality can be an important driver of customer demand and can cause swings in cash balances and working capital positions for issuers. Seasonality may be prevalent in some alcoholic beverage product segments, such as beer, which is consumed more during summer. Higher volatility creates less room for errors in meeting customer demand or operational execution.

Using the scorecard to arrive at a scorecard-indicated outcome

1. Measurement or estimation of factors in the scorecard

In the "Discussion of the scorecard factors" section, we explain our analytical approach for scoring each scorecard factor or sub-factor,¹⁰ and we describe why they are meaningful as credit indicators.

The information used in assessing the sub-factors is generally found in or calculated from information in the company's financial statements or regulatory filings, derived from other observations or estimated by Moody's analysts. We may also incorporate non-public information.

Our ratings are forward-looking and reflect our expectations for future financial and operating performance. However, historical results are helpful in understanding patterns and trends of a company's performance as well as for peer comparisons. Financial ratios,¹¹ unless otherwise indicated, are typically calculated based on an annual or 12-month period. However, the factors in the scorecard can be assessed using various time periods. For example, rating committees may find it analytically useful to examine both historical and expected future performance for periods of several years or more.

All of the quantitative credit metrics incorporate our standard adjustments¹² to income statement, cash flow statement and balance sheet amounts for items such as underfunded pension obligations and operating leases. We may also make other analytical adjustments that are specific to a particular company.

2. Mapping scorecard factors to a numeric score

After estimating or calculating each factor or sub-factor, each outcomes is mapped to a broad Moody's rating category (Aaa, Aa, A, Baa, Ba, B, Caa or Ca, also called alpha categories) and to a numeric score.

Qualitative factors are scored based on the description by broad rating category in the scorecard. The numeric value of each alpha score is based on the scale below.

Exhibit 3

Aaa	Aa	A	Baa	Ba	B	Caa	Ca
1	3	6	9	12	15	18	20

Source: Moody's Investors Service

Quantitative factors are scored on a linear continuum. For each metric, the scorecard shows the range by alpha category. We use the scale below and linear interpolation to convert the metric, based on its placement within the scorecard range, to a numeric score, which may be a fraction. As a purely theoretical example, if there were a ratio of revenue to interest for which the Baa range was 50x to 100x, then the numeric score for an issuer with revenue/interest of 99x, relatively strong within this range, would score closer to 7.5, and an issuer with revenue/interest of 51x, relatively weak within this range, would score closer to 10.5. In the text or table footnotes, we define the endpoints of the line (i.e., the value of the metric that constitutes the lowest possible numeric score, and the value that constitutes the highest possible numeric score).

Exhibit 4

Aaa	Aa	A	Baa	Ba	B	Caa	Ca
0.5-1.5	1.5-4.5	4.5-7.5	7.5-10.5	10.5-13.5	13.5-16.5	16.5-19.5	19.5-20.5

Source: Moody's Investors Service

3. Determining the overall scorecard-indicated outcome

The numeric score for each sub-factor (or each factor, when the factor has no sub-factors) is multiplied by the weight for that sub-factor (or factor), with the results then summed to produce an aggregate numeric score. The aggregate numeric score is then mapped back to a scorecard-indicated outcome based on the ranges in the table below.

Exhibit 5

Scorecard-indicated outcome

Scorecard-indicated outcome	Aggregate numeric score
Aaa	$x \leq 1.5$
Aa1	$1.5 < x \leq 2.5$
Aa2	$2.5 < x \leq 3.5$
Aa3	$3.5 < x \leq 4.5$
A1	$4.5 < x \leq 5.5$
A2	$5.5 < x \leq 6.5$
A3	$6.5 < x \leq 7.5$
Baa1	$7.5 < x \leq 8.5$
Baa2	$8.5 < x \leq 9.5$
Baa3	$9.5 < x \leq 10.5$
Ba1	$10.5 < x \leq 11.5$
Ba2	$11.5 < x \leq 12.5$
Ba3	$12.5 < x \leq 13.5$
B1	$13.5 < x \leq 14.5$
B2	$14.5 < x \leq 15.5$
B3	$15.5 < x \leq 16.5$
Caa1	$16.5 < x \leq 17.5$
Caa2	$17.5 < x \leq 18.5$
Caa3	$18.5 < x \leq 19.5$
Ca	$19.5 < x \leq 20.5$
C	$x > 20.5$

Source: Moody's Investors Service

For example, an issuer with an aggregate numeric score of 11.7 would have a Ba2 scorecard-indicated outcome.

In general, the scorecard-indicated outcome is oriented to the corporate family rating (CFR) for speculative-grade issuers and to the senior unsecured rating for investment-grade issuers. For issuers that benefit from rating uplift from parental support, government ownership or other institutional support, we consider the underlying credit strength or Baseline Credit Assessment for comparison to the scorecard-indicated outcome. For an explanation of the Baseline Credit Assessment, please refer to *Rating Symbols and Definitions* and to our cross-sector methodology for government-related issuers.¹³

Assigning issuer-level and instrument-level ratings

After considering the scorecard-indicated outcome, other considerations and relevant cross-sector methodologies, we typically assign a CFR to speculative-grade issuers or a senior unsecured rating for investment-grade issuers. For issuers that benefit from rating uplift from government ownership, we may assign a Baseline Credit Assessment.¹⁴

Individual debt instrument ratings may be notched up or down from the CFR or the senior unsecured rating to reflect our assessment of differences in expected loss related to an instrument's seniority level and collateral. The documents that provide broad guidance for such notching decisions are the rating methodology on loss given default for speculative-grade non-financial companies, the methodology for notching corporate instrument ratings based on differences in security and priority of claim, and the methodology for assigning short-term ratings.¹⁵

Key rating assumptions

For information about key rating assumptions that apply to methodologies generally, please see *Rating Symbols and Definitions*.¹⁶

Limitations

In the preceding sections, we have discussed the scorecard factors and many of the other considerations that may be important in assigning ratings. In this section, we discuss limitations that pertain to the scorecard and to the overall rating methodology.

Limitations of the scorecard

There are various reasons why scorecard-indicated outcomes may not map closely to actual ratings.

The scorecard in this rating methodology is a relatively simple reference tool that can be used in most cases to approximate credit profiles of companies in this sector and to explain, in summary form, many of the factors that are generally most important in assigning ratings to these companies. Credit loss and recovery considerations, which are typically more important as an issuer gets closer to

default, may not be fully captured in the scorecard. The scorecard is also limited by its upper and lower bounds, causing scorecard-indicated outcomes to be less likely to align with ratings for issuers at the upper and lower ends of the rating scale.

The weights for each factor and sub-factor in the scorecard represent an approximation of their importance for rating decisions across the sector, but the actual importance of a particular factor may vary substantially based on an individual company's circumstances.

Factors that are outside the scorecard, including those discussed above in the "Other considerations" section, may be important for ratings, and their relative importance may also vary from company to company. In addition, certain broad methodological considerations described in one or more cross-sector rating methodologies may be relevant to ratings in this sector.¹⁷ Examples of such considerations include the following: how sovereign credit quality affects non-sovereign issuers, the assessment of credit support from other entities, the relative ranking of different classes of debt and hybrid securities, and the assignment of short-term ratings.

We may use the scorecard over various historical or forward-looking time periods. Furthermore, in our ratings we often incorporate directional views of risks and mitigants in a qualitative way.

General limitations of the methodology

This methodology document does not include an exhaustive description of all factors that we may consider in assigning ratings in this sector. Companies in the sector may face new risks or new combinations of risks, and they may develop new strategies to mitigate risk. We seek to incorporate all material credit considerations into ratings and to take the most forward-looking perspective that visibility into these risks and mitigants permits.

Ratings reflect our expectations for an issuer's future performance; however, as the forward horizon lengthens, uncertainty increases and the utility of precise estimates, as scorecard inputs or in other considerations, typically diminishes. Our forward-looking opinions are based on assumptions that may prove, in hindsight, to have been incorrect. Reasons for this could include unanticipated changes in any of the following: the macroeconomic environment, general financial market conditions, industry competition, disruptive technology, or regulatory and legal actions. In any case, predicting the future is subject to substantial uncertainty.

Moody's related publications

Credit ratings are primarily determined through the application of sector credit rating methodologies. Certain broad methodological considerations (described in one or more cross-sector rating methodologies) may also be relevant to the determination of credit ratings of issuers and instruments. A list of sector and cross-sector credit rating methodologies can be found [here](#).

For data summarizing the historical robustness and predictive power of credit ratings, please click [here](#).

For further information, please refer to *Rating Symbols and Definitions*, which is available [here](#).

Moody's Basic Definitions for Credit Statistics (User's Guide) can be found [here](#).

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Endnotes

- [1](#) In our methodologies and research, the terms "scorecard" and "grid" are used interchangeably.
- [2](#) In this methodology, we use the terms "product" and "type" interchangeably. Brands can include several types of alcoholic beverages.
- [3](#) On-premise sales are sales of alcoholic beverages in restaurants, pubs, bars, nightclubs and other venues, whereas off-premise sales are sales of alcoholic beverages outside the site of consumption, for example in supermarkets, petrol stations or kiosks.
- [4](#) Liquidity management is distinct from the level of liquidity, which is discussed in the "Other considerations" section.
- [5](#) A link to a list of our sector and cross-sector methodologies can be found in the "Moody's related publications" section.
- [6](#) A link to a list of our sector and cross-sector methodologies can be found in the "Moody's related publications" section.
- [7](#) For example, in the case of an equity stake reduction in a subsidiary down to 75%, in the parent's financial statements, all revenue and EBITDA of the subsidiary would typically still be consolidated at the group level.
- [8](#) Proportional consolidation brings a portion of the minority subsidiary's debt onto the balance sheet, but this debt is structurally senior to debt at the parent company, because it is closer to the assets and cash flows of the minority subsidiary.
- [9](#) For an explanation of the Baseline Credit Assessment, please refer to *Rating Symbols and Definitions* and to our cross-sector methodology for government-related issuers. A link to a list of our sector and cross-sector methodologies and a link to *Rating Symbols and Definitions* can be found in the "Moody's related publications" section.
- [10](#) When a factor comprises sub-factors, we score at the sub-factor level. Some factors do not have sub-factors, in which case we score at the factor level.
- [11](#) For definitions of our most common ratio terms, please see *Moody's Basic Definitions for Credit Statistics (User's Guide)*. A link can be found in the "Moody's related publications" section.
- [12](#) For an explanation of our standard adjustments, please see the cross-sector methodology that describes our financial statement adjustments in the analysis of non-financial corporations.
- [13](#) A link to a list of our sector and cross-sector methodologies and a link to *Rating Symbols and Definitions* can be found in the "Moody's related publications" section.
- [14](#) For an explanation of the Baseline Credit Assessment, please refer to *Rating Symbols and Definitions* and to our cross-sector methodology for government-related issuers. A link to a list of our sector and cross-sector methodologies and a link to *Rating Symbols and Definitions* can be found in the "Moody's related publications" section.
- [15](#) A link to a list of our sector and cross-sector rating methodologies can be found in the "Moody's related publications" section.
- [16](#) A link to *Rating Symbols and Definitions* can be found in the "Moody's related publications" section.
- [17](#) A link to a list of our sector and cross-sector methodologies can be found in the "Moody's related publications" section.

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