

#### **AB** InBev

### Reiterating Buy (after share price run in Nov-Dec)

Reiterate Rating: BUY | PO: 71.00 EUR | Price: 60.09 EUR

#### We reiterate Buy

We update our investment case, in the context of our EU Beverages Year Ahead report. The shares have had a good run since Q3 results, but we see further upside this year, as (1) we believe margins are inflecting; (2) leverage should fall well below 3x in 2024, for the first time since 2015, providing more options for capital allocation, with scope for increased buy-backs potentially (non-material impact on EPS, but positive to sentiment); (3) US market share is slowly but steadily improving. Consensus is not factoring in an improvement going forward, which probably leaves some upside risk; (4) top-down, ABI ticks the right boxes in the current uncertain environment, in our opinion, with its large exposure to LatAm, which we expect will be resilient for beer and slight COGS deflation underpinning 21% EPS growth in 2024, best in large cap EU staples.

#### Why we believe margins are inflecting

As we discussed in our Sep-23 upgrade report, we believe that ABI over the last few years has transformed its business in many of its key markets (mainly LatAm), with a more effective portfolio strategy, stepped up innovation and digitizing its route-tomarket. The commercial transformation (and facing increased competition in some markets) has led to better top-line performance, however this has come at a higher cost of doing business, in our view, which has weighed on margins in addition to external cost pressures. ABI's margins have fallen >700bps over 2018-23e, declining every year. That said, the higher cost of doing business is now in the base, we believe, and with input cost pressures now easing and c\$1bn of permanent profit damage from Bud Light also in the base, we believe margins are inflecting. We expect c300bps margin increase in the next 3 years (+210bps in 2024 vs consensus +105bps), which should drive much better profit growth going forward: +7.3% organic EBITDA CAGR 2023-26e (excluding LatAm South/Argentina), top quartile in global staples, and +15% EPS CAGR. We note that ABI margins surprised on the upside at recent Q2 and Q3 results.

#### Small changes to estimates, PO increased \$78 (€71)

We trim FY23-25E EPS c2%, largely driven by FX, ABI trades on c19x 12m fwd PE on BofAe, broadly in line with staples, while on EV/NOPAT the stock is still on an attractive discount. Our new \$78 (€71) PO, reflects a higher target PE of c19.5x (was from c16x), driven by peer rerating and a higher target premium to staples (c5% vs prev. c-5%), given top-down attractions of the stock in the current environment, attractive earnings growth and deleverage.

Estimates (Dec) (USD)	2021A	2022A	2023E	2024E	2025E
EPS (Adjusted Diluted)	2.82	2.97	2.90	3.50	3.95
EPS Change (YoY)	14.6%	5.3%	-2.5%	20.7%	13.0%
Dividend / Share	0.50	0.75	1.00	1.20	1.40
Valuation (Dec)					
P/E	24.2x	21.6x	22.9x	18.8x	16.7x
Dividend Yield	0.76%	1.14%	1.52%	1.83%	2.13%
EV / EBITDA*	11.1x	10.8x	10.6x	9.54x	9.01x
Free Cash Flow Yield*	7.11%	6.62%	6.59%	8.27%	9.02%
* For full definitions of <i>IQ</i> method SM measures, see page 7.					

>> Employed by a non-US affiliate of BofAS and is not registered/qualified as a research analyst under the FINRA rules.

Refer to "Other Important Disclosures" for information on certain BofA Securities entities that take responsibility for the information herein in particular jurisdictions.

Bof A Securities does and seeks to do business with issuers covered in its research reports. As a result, investors should be aware that the firm may have a conflict of interest that could affect the objectivity of this report. Investors should consider this report as only a single factor in making their investment decision. Refer to important disclosures on page 8 to 11. Analyst Certification on page 6. Price 12644240

Objective Basis/Risk on page 6.

Timestamp: 11 January 2024 12:30AM EST

#### 11 January 2024

#### Equity

Key Changes		
(US\$)	Previous	Current
Price Obj.	EUR65.00	EUR71.00
2023E EPS	2.97	2.90
2024E EPS	3.58	3.50
2025E EPS	4.03	3.95
2023E EBITDA (m)	20,409.8	20,287.5
2024E EBITDA (m)	22,328.8	22,445.9
2025E EBITDA (m)	23,658.1	23,753.0

Andrea Pistacchi >> Research Analyst MLI (UK) +44 20 7996 4938 andrea.pistacchi@bofa.com

#### Stock Data

Price (Common / Common / 60.09 EUR / 1,211 ZAR /

66 15 USD

Price Objective 71.00 EUR / 1,440 ZAR /

78 00 USD

Date Established 11-Jan-2024 / 11-Jan-2024 /

11-lan-2024

Investment Opinion B-1-7 / B-1-7 / B-1-7 52-Week Range 49.17 EUR-62.01 EUR 122,403 EUR / 2,037.0 Market Val / Shares Out

Average Daily Value (mn) 77.70 USD BofA Ticker / Exchange BUDFF / ENB BofA Ticker / Exchange XAIBF / INB BofA Ticker / Exchange BUD / NYS Bloomberg / Reuters ABI BB / ABI.BR ROE (2023E) Free Float 56 1% ESGMeter™

ESGMeter is not indicative of a company's future stock price performance and is not an investment recommendation or rating. ESGMeter is independent of BofA Global Research's equity investment rating, volatility risk rating, income rating, and price objective for that company. For full details, refer to

High

### **iQ**profile<sup>™</sup> AB InBev

Key Income Statement Data (Dec)	2021A	2022A	2023E	2024E	2025E
(US\$ Millions)					
Sales	54,304	57,786	60,259	62,878	65,614
EBITDA Adjusted	19,209	19,842	20,288	22,446	23,753
Depreciation & Amortization	(4,771)	(5,075)	(5,410)	(5,626)	(5,832)
EBIT Adjusted	14,438	14,767	14,877	16,820	17,921
Net Interest & Other Income	(5,608)	(4,993)	(4,876)	(3,947)	(3,578)
Tax Expense / Benefit	(2,350)	(1,928)	(2,525)	(3,274)	(3,680)
Net Income (Adjusted)	5,774	6,093	5,943	7,129	8,053
Average Fully Diluted Shares Outstanding	2,044	2,049	2,050	2,038	2,036
Key Cash Flow Statement Data					
Net Income (Reported)	4,670	6,267	5,557	7,788	8,715
Depreciation & Amortization	4,771	5,075	5,410	5,626	5,832
Change in Working Capital	2,459	(346)	(573)	309	320
Deferred Taxation Charge	0	Ó	Ó	0	0
Other CFO	2,899	2,302	3,001	2,007	2,052
Cash Flow from Operations	14,799	13,298	13,395	15,730	16,919
Capital Expenditure	(5,498)	(4,838)	(4,692)	(4,872)	(5,084)
(Acquisition) / Disposal of Investments	(444)	(70.0)	72.0	(360)	0
Other CFI	65.0	288	10.0	0	0
Cash Flow from Investing	(5,877)	(4,620)	(4,610)	(5,232)	(5,084)
Share Issue / (Repurchase)	0	0	(320)	(680)	0
Cost of Dividends Paid	(2,364)	(2,442)	(3,177)	(4,020)	(4,614)
Increase (decrease) debt	(9,733)	(8,838)	(2,509)	(5,000)	(5,000)
Other CFF	499	660	(1,985)	(1,200)	(1,204)
Cash Flow from Financing	(11,598)	(10,620)	(7,992)	(10,900)	(10,818)
Total Cash Flow (CFO + CFI + CFF)	(2,676)	(1,942)	794	(402)	1,017
FX and other changes to cash	(499)	(451)	191	0	0
Change in Cash	(3,175)	(2,393)	985	(402)	1,017
Change in Net Debt	(6,558)	(6,445)	(3,494)	(4,598)	(6,017)
Net Debt	76,184	69,739	66,245	61,647	55,630
	7 0, 1 0 1	03,733	00,2 10	01,017	33,030
Key Balance Sheet Data Property, Plant & Equipment	26,678	26,671	26,024	25,346	24,672
Goodwill	115,796	113,010	113,010	113,010	113,010
	40,430	40,209	40,137	40,062	39,987
Other Intangibles					
Other Non-Current Assets	10,774	9,867	11,698	14,705	16,829
Trade Receivables	381	813	848	885	923
Cash & Equivalents	12,646	10,253	11,238	10,836	11,853
Other Current Assets	10,921	12,120	13,023	13,520	14,036
Total Assets	217,626	212,943	215,979	218,363	221,311
Long-Term Debt	87,422	78,963	76,454	71,454	66,454
Other Non-Current Liabilities	16,682	15,318	15,955	16,638	17,352
Short-Term Debt	1,408	1,029	1,029	1,029	1,029
Other Current Liabilities	32,776	33,354	34,218	35,350	36,528
Total Liabilities	138,288	128,664	127,655	124,471	121,363
Total Equity	79,340	84,278	88,324	93,893	99,948
Total Equity & Liabilities	217,628	212,942	215,979	218,363	221,311
Business Performance*					
Return On Capital Employed	5.40%	6.46%	6.04%	6.82%	7.19%
Return On Equity	8.45%	8.58%	7.89%	8.91%	9.41%
Operating Margin	25.0%	24.6%	23.3%	25.8%	26.4%
Free Cash Flow (MM)	9,366	8,748	8,714	10,858	11,835
Quality of Earnings*					
Cash Realization Ratio	2.56x	2.18x	2.25x	2.21x	2.10x
Asset Replacement Ratio	1.15x	0.95x	0.87x	0.87x	0.87x
Tax Rate	28.6%	20.2%	26.7%	26.1%	26.2%
Net Debt/Equity	96.0%	82.7%	75.0%	65.7%	55.7%
Interest Cover	3.01x	3.18x	2.99x	3.49x	4.01x

#### **Company Sector**

Brewers

#### **Company Description**

AB InBev is the largest brewer in the world, with operations in most markets globally. It is present in most of the important profit pools, where it holds No.1 or No. 2 positions. Its main brands are Budweiser, Beck's, Stella Artois and Corona, but the group also owns numerous local

#### **Investment Rationale**

Volume momentum has started to turn and should continue to improve over the next 12 months. With easy comps, tailwinds from (slight) COGS deflation, lower transatlantic shipment costs and Distell synergies, we expect Heineken to deliver c10% organic EBIT growth in 2024, even in the current challenging environment, with upside risk. Discount to staples unjustified. We expect rerating, as volume improves over the coming quarters and investors get more comfortable with 2024 consensus expectations.

#### **Stock Data**

Price to Book Value

1.7x

#### **Quarterly Earnings Estimates**

	2022	2023
Q1	0.59A	0.64A
Q2	0.72A	0.71A
Q3	0.82A	0.85A
Q4	0.85A	0.71E

# Changes to estimates The following table summarizes the changes to our estimates.

#### Exhibit 1: AB-Inbev: changes to BofA estimates

We cut 2023-25 EPS c2%, mainly on FX (Argentine Peso devaluation)

		4Q23			FY23E			FY24E			FY25E	
	New ests.	Old ests.	Change	New ests.	Old ests.	Change	New ests.	Old ests.	Change	New ests.	Old ests.	Change
Revenue (\$m)	15,352	15,527	-1.1%	60,259	60,434	-0.3%	62,879	62,612	0.4%	65,614	65,300	0.5%
EBITDA (\$m)	5,189	5,311	-2.3%	20,288	20,410	-0.6%	22,441	22,329	0.5%	23,753	23,658	0.4%
North America	991	1,009	-1.8%	4,764	4,782	-0.4%	5,023	4,974	1.0%	5,012	4,963	1.0%
Middle Americas	2,237	2,212	1.1%	7,782	7,757	0.3%	8,909	8,612	3.4%	9,580	9,226	3.8%
South America	1,299	1,398	-7.1%	4,079	4,174	-2.3%	4,531	4,831	-6.2%	4,860	5,238	-7.2%
EMEA	690	684	0.9%	2,579	2,573	0.3%	2,752	2,698	2.0%	2,930	2,876	1.9%
APAC	287	292	-1.8%	2,181	2,186	-0.2%	2,359	2,315	1.9%	2,529	2,480	2.0%
GEHC	-316	-284	11.0%	-1,102	-1,070	2.9%	-1,133	-1,101	2.9%	-1,158	-1,125	2.9%
EBIT (normalised)	3,777	3,893	-3.0%	14,876	14,992	-0.8%	16,814	16,739	0.4%	17,921	17,846	0.4%
Net finance income	-1,231	-1,219	0.9%	-4,974	-4,962	0.2%	-4,821	-4,659	3.5%	-4,465	-4,353	2.6%
Net interest	-777	-765	1.5%	-3,196	-3,184	0.4%	-3,027	-2,852	6.1%	-2,720	-2,596	4.8%
Other (excl. shares MTM)	-454	-454	0.0%	-1,919	-1,919	0.0%	-1,924	-1,936	-0.6%	-1,874	-1,887	-0.7%
Share of associates	81	78	3.7%	281	278	1.0%	295	283	4.5%	319	305	4.5%
Tax (normalised)	-688	-722	-4.8%	-2,637	-2,671	-1.3%	-3,358	-3,322	1.1%	-3,768	-3,710	1.5%
Tax rate (%)	27.0%	27.0%	0bps	26.6%	26.6%	0bps	28.0%	27.5%	50bps	28.0%	27.5%	50bps
Minorities	-494	-436	13.3%	-1,666	-1,608	3.6%	-1,801	-1,751	2.8%	-1,954	-1,876	4.2%
Net profit (underlying) EPS (u/lying) - basic	1,446 0.72	1,594 0.79	-9.3% -9.2%	5,943 2.95	6,091 3.02	-2.4% -2.4%	7,129 3.56	7,290 3.64	-2.2% -2.2%	8,053 4.03	8,211 4.10	-1.9% -1.8%
EPS (underlying) - fd	0.71	0.78	-9.2%	2.90	2.97	-2.4%	3.50	3.58	-2.2%	3.95	4.03	-1.8%
FX on EBITDA	-304	36	-954.6%	-716	-626	14.4%	-984	-469	109.8%	-346	-142	142.8%
USDBRL	4.89	5.06	-3.3%	4.99	5.02	-0.5%	4.89	5.05	-3.3%	4.89	5.05	-3.3%
USDMXN	17.08	18.06	-5.5%	17.74	17.86	-0.7%	17.08	18.05	-5.4%	17.08	18.05	-5.4%
USDCOP	3,948	4,151	-4.9%	4,320	4,339	-0.4%	3,948	4,119	-4.1%	3,948	4,119	-4.1%
Organic volume growth (%)												
North America	-12.6%	-12.4%	-0.2%	-11.5%	-11.5%	0.0%	-2.0%	-2.6%	0.6%	-1.9%	-1.9%	0.0%
Middle Americas	2.7%	3.1%	-0.4%	1.2%	1.3%	-0.1%	1.4%	1.8%	-0.3%	2.5%	2.5%	0.0%
South America	-1.0%	0.2%	-1.2%	-1.3%	-1.0%	-0.3%	0.4%	2.4%	-2.0%	3.1%	2.8%	0.3%
o/w Brazil	0.9%	2.5%	-1.6%	0.2%	0.7%	-0.5%	2.2%	2.4%	-0.2%	2.7%	3.0%	-0.3%
EMEA	0.2%	1.0%	-0.8%	-0.6%	-0.4%	-0.2%	0.8%	1.4%	-0.6%	2.3%	2.3%	-0.1%
APAC	3.2%	4.7%	-1.5%	5.4%	5.6%	-0.3%	1.3%	1.3%	0.0%	1.0%	1.0%	0.0%
Group	-1.3%	-0.5%	-0.8%	-1.4%	-1.2%	-0.2%	0.5%	1.1%	-0.7%	1.7%	1.7%	0.1%
Organic sales growth (%)												
North America	-12.2%	-12.0%	-0.2%	-7.5%	-7.5%	0.0%	-0.2%	-0.8%	0.7%	-0.2%	-0.2%	0.0%
Middle Americas	8.3%	9.3%	-1.0%	10.1%	10.3%	-0.3%	6.0%	6.4%	-0.3%	6.3%	6.1%	0.2%
South America	25.3%	24.2%	1.1%	25.8%	25.5%	0.3%	28.5%	16.6%	11.9%	14.3%	9.0%	5.3%
o/w Brazil	5.5%	7.2%	-1.7%	8.6%	9.1%	-0.5%	6.7%	7.1%	-0.4%	6.9%	7.0%	-0.1%
EMEA	8.2%	9.6%	-1.4%	10.0%	10.3%	-0.4%	4.1%	4.4%	-0.3%	5.4%	5.4%	-0.1%
APAC	9.4%	11.0%	-1.6%	10.4%	10.7%	-0.3%	4.1%	3.9%	0.2%	4.2%	4.2%	0.0%
Group	6.3%	6.7%	-0.4%	7.7%	7.8%	-0.1%	8.7%	6.1%	2.5%	6.0%	4.9%	1.1%
ex LAS/Arg	1.6%	2.5%	-0.9%	3.8%	4.1%	-0.3%	4.0%	4.0%	0.0%	4.3%	4.5%	-0.2%
EBITDA (%)	20.00/	26.40/	2.50/	20.40/	10.00/	0.60/	F 20/	4.004	0.40/	0.20/	0.30/	0.004
North America	-28.9%	-26.4%	-2.5%	-20.4%	-19.9%	-0.6%	5.3%	4.9%	0.4%	-0.2%	-0.2%	0.0%
Middle Americas	10.2%	10.9%	-0.7%	11.9%	12.1%	-0.2%	11.2%	11.0%	0.2%	7.5%	7.1%	0.4%
South America	46.0%	41.5%	4.5%	49.2%	47.7%	1.4%	41.9%	24.1%	17.8%	14.9%	11.4%	3.5%
o/w Brazil	25.7%	28.6%	-2.9%	25.6%	26.5%	-0.9%	15.2%	15.6%	-0.4%	9.6%	9.5%	0.1%
EMEA APAC	1.6% 23.2%	1.8% 27.2%	-0.2% -4.0%	4.5% 10.0%	4.6% 10.4%	0.0% -0.4%	5.9% 9.1%	6.5% 8.9%	-0.6% 0.2%	6.5% 7.2%	6.6% 7.2%	-0.1% 0.0%
Group	6.7%	7.0%	-4.0% <b>-0.3%</b>	7.1%	7.2%	-0.4% <b>-0.1%</b>	15.5%	11.9%	3.6%	7.2% <b>7.4%</b>	6.6%	0.0%
Group ex LatAm South/ARG	0.6%	1.8%	-0.5% -1.2%	2.3%	2.7%	-0.1% -0.4%	9.9%	9.9%	0.0%	6.1%	6.0%	0.6%

Source: BofA Global Research estimates

BofA GLOBAL RESEARCH



### **Financial Summaries**

Exhibit 2: ABI - Income statement and CF statement summaries (FY17-FY27e)
We forecast 21% EPS growth in 2024

	FY17	FY18	FY19	FY20	FY21	FY22	FY23E	FY24E	FY25E	FY26E	FY27E
Income Statement											
Sales	56,444	54,619	52,329	46,880	54,304	57,786	60,259	62,878	65,614	68,488	71,497
Gross profit	35,068	34,261	31,967	27,247	31,207	31,482	32,535	35,021	36,647	38,388	40,233
EBITDA (normalised)	22,084	22,080	21,078	17,321	19,209	19,842	20,288	22,446	23,753	25,149	26,604
EBITDA Margin	39%	40%	40%	37%	35%	34%	34%	36%	36%	37%	37%
EBIT (normalised)	17,814	17,821	16,421	12,723	14,438	14,768	14,876	16,814	17,921	19,086	20,298
Net finance income	-5,814	-6,747	-4,355	-5,959	-4,802	-4,647	-4,974	-4,821	-4,465	-4,203	-3,930
Net interest	-4,005	-3,790	-3,739	-3,854	-3,561	-3,295	-3,196	-3,027	-2,720	-2,438	-2,143
Other financial charges	-1,809	-2,957	-616	-2,105	-1,241	-1,352	-1,778	-1,794	-1,744	-1,765	-1,787
PBT (normalised)	11,999	11,074	12,066	6,764	9,636	10,121	9,903	11,993	13,456	14,883	16,368
Tax	-2,731	-3,079	-2,780	-2,087	-2,712	-2,324	-2,637	-3,358	-3,768	-4,167	-4,583
Tax rate	22.2%	24.0%	24.9%	26.2%	28.1%	23.6%	0.0%	0.0%	0.0%	0.0%	0.0%
Share of associates	429	153	152	156	248	299	281	295	319	344	372
Minorities	-1,186	-1,323	-1,243	-797	-1,443	-1,628	-1,666	-1,801	-1,954	-2,142	-2,326
Underlying net profit	8,257	8,567	7,196	5,022	5,774	6,093	5,943	7,129	8,053	8,918	9,831
Underlying EPS (FD)	4.11	4.26	3.55	2.47	2.82	2.97	2.90	3.50	3.95	4.38	4.83
EPS Growth (%)	37.7%	3.7%	-11.5%	-30.6%	14.6%	5.3%	-2.5%	20.7%	13.0%	10.7%	10.2%
Dividend (€)	3.60	1.80	1.30	0.50	0.50	0.75	1.00	1.20	1.40	1.70	2.00
#Shares (fully diluted)	2,010	2,011	2,026	2,037	2,044	2,049	2,050	2,038	2,036	2,036	2,036
Cash Flow Statement	FY 17	FY18	FY19	FY20	FY21	FY22	FY23E	FY24E	FY25E	FY26E	FY27E
EBIT	17,814	17,821	16,421	12,723	14,438	14,768	14,876	16,814	17,921	19,086	20,298
Depreciation, amortisation and Impairment	4,276	4,260	4,657	4,598	4,771	5,075	5,410	5,626	5,832	6,062	6,307
Change in WC	219	512	-5	592	2,459	-346	-573	309	320	334	347
Pension contributions and use of provisions	-616	-488	-715	-616	-375	-351	-351	-358	-365	-373	-380
Other items	-423	-519	-59	-66	-403	98	460	0	0	0	0
Dividends received	142	141	160	51	106	158	145	152	164	177	191
Interest and taxes (paid) / received	-5,982	-7,064	-7,063	-6,391	-6,197	-6,104	-6,572	-6,813	-6,953	-7,126	-7,304
Cash from operating activities	15,430	14,663	13,396	10,891	14,799	13,298	13,395	15,730	16,919	18,161	19,458
Net Capex	-4,124	-4,649	-4,854	-3,687	-5,498	-4,838	-4,692	-4,872	-5,084	-5,307	-5,540
Other	-67	-327	33	-292	65	288	10	0	0	0	0
FCF (pre DVD, SBB, M&A)	11,239	9,687	8,575	6,912	9,366	8,748	8,714	10,858	11,835	12,855	13,918
M&A	7,708	-285	-252	10,315	-444	-70	72	-360	0	0	0
Shares issued/bought back	0	0	0	0	0	0	-320	-680	0	0	0
Dividend paid	-9,275	-7,761	-5,015	-1,800	-2,364	-2,442	-3,177	-4,020	-4,614	-5,303	-6,134
Other	-6,109	287	3,612	-2,607	2	213	-1,985	-1,200	-1,204	-1,208	-1,213
Change in net debt	3,563	1,928	6,920	12,820	6,560	6,449	3,303	4,598	6,017	6,343	6,572
FCF/EBITDA	51%	44%	41%	40%	49%	44%	43%	48%	50%	51%	52%
Balance Sheet	FY17	FY18	FY19	FY20	FY21	FY22	FY23E	FY24E	FY25E	FY26E	FY27E
Year End Net Debt	-104,390	-102,462	,	-82,722	-76,162	-69,713	-66,410	-61,812	-55,795	-49,452	-42,880
Net Debt/EBITDA	4.7x	4.6x	4.5x	4.8x	4.0x	3.5x	3.3x	2.8x	2.3x	2.0x	1.6x
ROIC	6.9%	6.4%	6.5%	4.7%	5.9%	6.6%	6.4%	7.1%	7.7%	8.2%	8.8%

**Source:** Company reports, BofA Global Research estimates

BofA GLOBAL RESEARCH



### **Exhibit 3: ABI - Divisional Summary (FY17-FY27e)** We expect margins to start expanding from 2024

	FY17	FY18	FY19	FY20	FY21	FY22	FY23E	FY24E	FY25E	FY26E	FY27E
Sales											
North America	15,587	15,504	15,488	15,622	16,257	16,566	15,236	15,229	15,200	15,154	15,096
Middle Americas	9,239	11,614	11,912	10,032	12,541	14,180	16,507	18,028	19,165	20,334	21,574
South America		10,238	9,791	8,092	9,494	11,599	12,684	13,237	14,072	14,992	15,934
EMEA	10,344	8,368	7,911	6,835	8,032	8,120	8,526	8,831	9,304	9,797	10,322
APAC	7,804	6,735	6,543	5,648	6,848	6,532	6,843	7,072	7,371	7,690	8,028
GEHC	332	582	687	652	1,133	790	463	482	502	522	543
Group	56,444	53,041	52,332	46,881	54,305	57,787	60,259	62,879	65,614	68,488	71,497
EBITDA											
North America	6,329	6,199	6,185	6,172	6,131	6,057	4,764	5,023	5,012	4,984	4,944
Middle Americas	4,512	6,033	6,355	5,014	6,126	6,564	7,782	8,909	9,580	10,274	11,016
South America		4,696	4,145	3,179	3,125	3,511	4,079	4,531	4,860	5,246	5,648
EMEA	3,349	3,184	2,781	1,895	2,598	2,612	2,579	2,752	2,930	3,116	3,317
APAC	2,696	2,178	2,287	1,737	2,321	2,104	2,181	2,359	2,529	2,711	2,890
GEHC	-576	-558	-675	-678	-1,093	-1,005	-1,102	-1,133	-1,158	-1,184	-1,210
Group	22,085	21,732	21,078	17,319	19,208	19,843	20,284	22,441	23,753	25,149	26,604
EBITDA margins											
North America	40.6%	40.0%	39.9%	39.5%	37.7%	36.6%	31.3%	33.0%	33.0%	32.9%	32.7%
Middle Americas	48.8%	51.9%	53.3%	50.0%	48.8%	46.3%	47.1%	49.4%	50.0%	50.5%	51.1%
South America		45.9%	42.3%	39.3%	32.9%	30.3%	32.2%	34.2%	34.5%	35.0%	35.4%
EMEA	32.4%	38.0%	35.2%	27.7%	32.3%	32.2%	30.3%	31.2%	31.5%	31.8%	32.1%
APAC	34.5%	32.3%	35.0%	30.8%	33.9%	32.2%	31.9%	33.4%	34.3%	35.3%	36.0%
Group	39.1%	41.0%	40.3%	36.9%	35.4%	34.3%	33.7%	35.7%	36.2%	36.7%	37.2%

Source: Company reports, BofA Global Research estimates

BofA GLOBAL RESEARCH

**Exhibit 4: ABI - Organic growth rates (FY17-FY27e)**We forecast c4.5% organic sales and +c6% organic EBITDA longer term

	FY17	FY18	FY19	FY20	FY21	FY22	FY23E	FY24E	FY25E	FY26E	FY27E
Volumes											
North America	-3.3%	-2.5%	-2.4%	-1.4%	0.0%	-4.0%	-11.5%	-2.0%	-1.9%	-1.9%	-1.9%
Middle Americas	1.6%	4.5%	3.8%	-10.3%	17.1%	4.3%	1.2%	1.4%	2.5%	2.5%	2.5%
South America			2.8%	3.2%	8.7%	4.6%	-1.3%	0.4%	3.1%	3.1%	2.5%
EMEA	0.9%	2.3%	3.4%	-11.2%	14.2%	4.6%	-0.6%	0.8%	2.3%	2.2%	2.3%
APAC	0.5%	2.1%	-2.9%	-12.3%	8.2%	0.6%	5.4%	1.3%	1.0%	1.1%	1.2%
Group	0.2%	0.3%	1.1%	-5.7%	9.6%	2.3%	-1.4%	0.5%	1.7%	1.8%	1.6%
Sales											
North America	-1.8%	-0.8%	0.2%	0.7%	3.3%	2.4%	-7.5%	-0.2%	-0.2%	-0.3%	-0.4%
Middle Americas	7.5%	9.5%	7.2%	-9.4%	24.8%	15.1%	10.1%	6.0%	6.3%	6.1%	6.1%
South America			9.0%	7.8%	26.3%	27.9%	25.8%	28.5%	14.3%	8.5%	6.9%
EMEA	6.3%	4.1%	3.4%	-10.6%	18.0%	13.1%	10.0%	4.1%	5.4%	5.3%	5.4%
APAC	7.5%	6.1%	1.9%	-12.7%	14.8%	2.4%	10.4%	4.1%	4.2%	4.3%	4.4%
Group	5.0%	4.6%	4.3%	-3.8%	15.5%	11.1%	7.7%	8.7%	6.0%	4.8%	4.5%
EBITDA											
North America	1.3%	-2.4%	0.2%	0.2%	-0.9%	-0.5%	-20.4%	5.3%	-0.2%	-0.6%	-0.8%
Middle Americas	16.0%	16.4%	11.1%	-14.8%	22.4%	8.7%	11.9%	11.2%	7.5%	7.2%	7.2%
South America			-0.4%	-11.0%	11.7%	25.7%	49.2%	41.9%	14.9%	10.1%	8.4%
EMEA	17.8%	1.3%	-5.4%	-29.0%	30.6%	11.5%	4.5%	5.9%	6.5%	6.4%	6.4%
APAC	30.5%	12.7%	9.6%	-23.4%	25.0%	-4.6%	10.0%	9.1%	7.2%	7.2%	6.6%
Group	13.1%	7.7%	2.7%	-12.9%	11.9%	7.2%	7.1%	15.5%	7.4%	6.3%	5.9%

**Source:** Company reports, BofA Global Research estimates

BofA GLOBAL RESEARCH



#### Price objective basis & risk

#### Anheuser-Busch InBev (BUDFF / BUD)

Our PO is PE-based. Applying a 12 month forward PE of c19.5x, consistent with c5% premium to staples to our Nov-25 EPS estimate of €3.61 (\$3.95 converted into EUR at a rate of 1.095) we derive our PO of €71 (US\$ 78). We expect the PE to rerate as investors get more confident that ABI's margins are inflecting. We apply a c5% premium given top-down attractions of the stock in the current environment, attractive earnings growth and deleverage.

Risks: (1) the increased competitive environment could continue to weigh on margins more than we assume, (2) longer term volume/profit impact from Bud Light consumer backlash could be greater that we assume, (3) FX (in the majority of its emerging markets, ABI is exposed to transactional FX risk, as a large portion of CoGS is denominated in hard currency, while revenues are in local currency), (4) input cost inflation, (5) softer demand for beer, with consumer disposable income impacted by inflationary pressures, (6) Altria stake overhang.

#### Anheuser-Busch InBev SA (XAIBF)

Our PO is PE-based. Applying a 12 month forward PE of c19.5x, consistent with c5% premium to staples to our Nov-25 EPS estimate of \$3.95 (converted into ZAR at a rate of 18.6) we derive our PO of ZAR 1440. We expect the PE to rerate as investors get more confident that ABI's margins are inflecting. We apply a c5% premium given top-down attractions of the stock in the current environment, attractive earnings growth and deleverage.

Risks: (1) the increased competitive environment could continue to weigh on margins more than we assume, (2) longer term volume/profit impact from Bud Light consumer backlash could be greater that we assume, (3) FX (in the majority of its emerging markets, ABI is exposed to transactional FX risk, as a large portion of CoGS is denominated in hard currency, while revenues are in local currency), (4) input cost inflation, (5) softer demand for beer, with consumer disposable income impacted by inflationary pressures, (6) Altria stake overhang.

#### **Analyst Certification**

I, Andrea Pistacchi, hereby certify that the views expressed in this research report accurately reflect my personal views about the subject securities and issuers. I also certify that no part of my compensation was, is, or will be, directly or indirectly, related to the specific recommendations or view expressed in this research report.

**EMEA - Beverages Coverage Cluster** 

Investment rating	Company	Bof A Ticker	Bloomberg symbol	Analyst
investment rating	Company	DOIA HCKEI	proofficer 8 symbol	Allalyst
BUY				
	AB InBev	BUD	BUD US	Andrea Pistacchi
	Anheuser-Busch InBev	BUDFF	ABI BB	Andrea Pistacchi
	Anheuser-Busch InBev SA	XAIBF	ANH SJ	Andrea Pistacchi
	Campari	DVDCF	CPR IM	Andrea Pistacchi
	Coca-Cola Hellenic	CCHBF	CCHLN	Andrea Pistacchi
	Diageo	DEO	DEO US	Andrea Pistacchi
	Diageo	DGEAF	DGE LN	Andrea Pistacchi
	Heineken	HINKF	HEIA NA	Andrea Pistacchi
	Heineken	HEINY	HEINY US	Andrea Pistacchi
	Pernod Ricard	PDRDF	RI FP	Andrea Pistacchi
	Pernod Ricard	PRNDY	PRNDY US	Andrea Pistacchi
NEUTRAL				
	Carlsberg	CABJF	CARLB DC	Andrea Pistacchi
	Carlsberg	CABGY	CABGY US	Andrea Pistacchi

#### **EMEA - Beverages Coverage Cluster**

Investment rating	<b>Company</b> Remy Cointreau	<b>BofA Ticker</b> REMYF	<b>Bloomberg symbol</b> RCO FP	<b>Analyst</b> Andrea Pistacchi
UNDERPERFORM				
	Britvic	BTVCF	BVIC LN	Victor Beltran-Segarra
	Fevertree Drinks plc	FQVTF	FEVR LN	Andrea Pistacchi
	Royal Unibrew	ROYUF	RB REW DC	Andrea Pistacchi

#### **Q**method <sup>™</sup> Measures Definitions

Business Performance	Numerator	Denominator
Return On Capital Employed	NOPAT = (EBIT + Interest Income) $\times$ (1 - Tax Rate) + Goodwill Amortization	Total Assets – Current Liabilities + ST Debt + Accumulated Goodwill
Return On Equity Operating Margin Earnings Growth Free Cash Flow	Net Income Operating Profit Expected 5 Year CAGR From Latest Actual Cash Flow From Operations — Total Capex	Amortization Shareholders' Equity Sales N/A N/A
	·	
Quality of Earnings Cash Realization Ratio Asset Replacement Ratio Tax Rate Net Debt-To-Equity Ratio Interest Cover	Numerator Cash Flow From Operations Capex Tax Charge Net Debt = Total Debt — Cash & Equivalents EBIT	Denominator Net Income Depreciation Pre-Tax Income Total Equity Interest Expense
Valuation Toolkit	Numerator	Denominator
Price / Earnings Ratio Price / Book Value Dividend Yield Free Cash Flow Yield Enterprise Value / Sales	Current Share Price Current Share Price Annualised Declared Cash Dividend Cash Flow From Operations — Total Capex EV = Current Share Price × Current Shares + Minority Equity + Net Debt + Other LT Liabilities	Diluted Earnings Per Share (Basis As Specified) Shareholders' Equity / Current Basic Shares Current Share Price Market Cap = Current Share Price × Current Basic Shares Sales
EV / EBITDA	Enterprise Value	Basic EBIT + Depreciation + Amortization

EV / EBITDA Enterprise Value Basic EBIT + Depreciation + Amortization

\*\*Monethod 3\*\*Is the set of BofA Global Research standard measures that serve to maintain global consistency under three broad headings: Business Performance, Quality of Earnings, and validations. The key features of iQmethod are: A consistently structured, detailed, and transparent methodology. Guidelines to maximize the effectiveness of the comparative valuation process, and to identify some common pitfalls.

\*\*Relations before the companies of the

*IQ*profile<sup>™</sup>, *IQ*method <sup>™</sup> are service marks of Bank of America Corporation. *IQ*database\* is a registered service mark of Bank of America Corporation.



### **Disclosures**

#### **Important Disclosures**

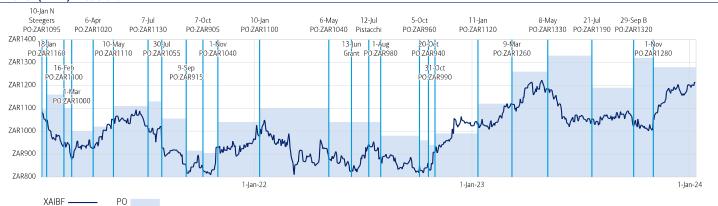
#### AB InBev (BUDFF) Price Chart



B: Buy, N: Neutral, U: Underperform, PO: Price Objective, NA: No longer valid, NR: No Rating

The Investment Opinion System is contained at the end of the report under the heading "Fundamental Equity Opinion Key". Dark grey shading indicates the security is restricted with the opinion suspended. Medium grey shading indicates the security is under review with the opinion withdrawn. Light grey shading indicates the security is not covered. Chart is current as of a date no more than one trading day prior to the date of the report.

#### AB InBev SA (XAIBF) Price Chart



B: Buy, N: Neutral, U: Underperform, PO: Price Objective, NA: No longer valid, NR: No Rating

The Investment Opinion System is contained at the end of the report under the heading "Fundamental Equity Opinion Key". Dark grey shading indicates the security is restricted with the opinion suspended. Medium grey shading indicates the security is under review with the opinion withdrawn. Light grey shading indicates the security is not covered. Chart is current as of a date no more than one trading day prior to the date of the report.

#### AB InBev (BUD) Price Chart



B: Buy, N: Neutral, U: Underperform, PO: Price Objective, NA: No longer valid, NR: No Rating

The Investment Opinion System is contained at the end of the report under the heading "Fundamental Equity Opinion Key". Dark grey shading indicates the security is restricted with the opinion suspended. Medium grey shading indicates the security is under review with the opinion withdrawn. Light grey shading indicates the security is not covered. Chart is current as of a date no more than one trading day prior to the date of the report.



#### Equity Investment Rating Distribution: Beverages - Alcoholic Group (as of 31 Dec 2023)

Coverage Universe	Count	Percent	Inv. Banking Relationships <sup>R1</sup>	Count	Percent
Buy	22	61.11%	Buy	15	68.18%
Hold	6	16.67%	Hold	4	66.67%
Sell	8	22.22%	Sell	2	25.00%

#### Equity Investment Rating Distribution: Global Group (as of 31 Dec 2023)

Coverage Universe	Count	Percent	Inv. Banking Relationships R1	Count	Percent
Buy	1895	53.62%	Buy	1083	57.15%
Hold	832	23.54%	Hold	454	54.57%
Sell	807	22.84%	Sell	383	47.46%

RI Issuers that were investment banking dients of BofA Securities or one of its affiliates within the past 12 months. For purposes of this Investment Rating Distribution, the coverage universe includes only stocks. A stock rated Neutral is included as a Hold. and a stock rated Underperform is included as a Sell.

FUNDAMENTAL EQUITY OPINION KEY: Opinions include a Volatility Risk Rating, an Investment Rating and an Income Rating. VOLATILITY RISK RATINGS, indicators of potential price fluctuation, are: A - Low, B - Medium and C - High. INVESTMENT RATINGS reflect the analyst's assessment of both a stock's absolute total return potential as well as its attractiveness for investment relative to other stocks within its Coverage Cluster (defined below). Our investment ratings are: 1 - Buy stocks are expected to have a total return of at least 10% and are the most attractive stocks in the coverage cluster; 2 - Neutral stocks are expected to remain flat or increase in value and are less attractive than Buy rated stocks and 3 - Underperform stocks are the least attractive stocks in a coverage cluster. An investment rating of 6 (No Rating) indicates that a stock is no longer trading on the basis of fundamentals. Analysts assign investment ratings considering, among other things, the 0-12 month total return expectation for a stock and the firm's guidelines for ratings dispersions (shown in the table below). The current price objective for a stock should be referenced to better understand the total return expectation at any given time. The price objective reflects the analyst's view of the potential price appreciation (depreciation).

## Investment rating Total return expectation (within 12-month period of date of initial rating) Ratings dispersion guidelines for coverage cluster<sup>R2</sup>

Buy	≥ 10%	≤ 70%
Neutral	≥ 0%	≤ 30%
Underperform	N/A	≥ 20%

Ratings dispersions may vary from time to time where BofA Global Research believes it better reflects the investment prospects of stocks in a Coverage Cluster.

INCOME RATINGS, indicators of potential cash dividends, are: 7 - same/higher (dividend considered to be secure), 8 - same/lower (dividend not considered to be secure) and 9 - pays no cash dividend. Coverage Cluster is comprised of stocks covered by a single analyst or two or more analysts sharing a common industry, sector, region or other classification(s). A stock's coverage cluster is included in the most recent BofA Global Research report referencing the stock.

Price Charts for the securities referenced in this research report are available on the Price Charts website, or call 1-800-MERRILL to have them mailed.

BofAS or one of its affiliates acts as a market maker for the equity securities recommended in the report: AB InBev.

The issuer is or was, within the last 12 months, an investment banking client of BofAS and/or one or more of its affiliates: AB InBev.

BofAS or an affiliate has received compensation from the issuer for non-investment banking services or products within the past 12 months: AB InBev.

The issuer is or was, within the last 12 months, a non-securities business client of BofAS and/or one or more of its affiliates: AB InBev.

BofAS or an affiliate has received compensation for investment banking services from this issuer within the past 12 months: AB InBev.

BofAS or an affiliate expects to receive or intends to seek compensation for investment banking services from this issuer or an affiliate of the issuer within the next three months: AB InBev. BofAS or one of its affiliates is willing to sell to, or buy from, clients the common equity of the issuer on a principal basis: AB InBev.

The issuer is or was, within the last 12 months, a securities business client (non-investment banking) of BofAS and/or one or more of its affiliates: AB InBev.

BofA Global Research personnel (including the analyst(s) responsible for this report) receive compensation based upon, among other factors, the overall profitability of Bank of America Corporation, including profits derived from investment banking. The analyst(s) responsible for this report may also receive compensation based upon, among other factors, the overall profitability of the Bank's sales and trading businesses relating to the class of securities or financial instruments for which such analyst is responsible.

#### **Other Important Disclosures**

From time to time research analysts conduct site visits of covered issuers. BofA Global Research policies prohibit research analysts from accepting payment or reimbursement for travel expenses from the issuer for such visits.

Prices are indicative and for information purposes only. Except as otherwise stated in the report, for any recommendation in relation to an equity security, the price referenced is the publicly traded price of the security as of close of business on the day prior to the date of the report or, if the report is published during intraday trading, the price referenced is indicative of the traded price as of the date and time of the report and in relation to a debt security (including equity preferred and CDS), prices are indicative as of the date and time of the report and are from various sources including BofA Securities trading desks.

The date and time of completion of the production of any recommendation in this report shall be the date and time of dissemination of this report as recorded in the report timestamp.

Recipients who are not institutional investors or market professionals should seek the advice of their independent financial advisor before considering information in this report in connection with any investment decision, or for a necessary explanation of its contents.

Officers of BofAS or one or more of its affiliates (other than research analysts) may have a financial interest in securities of the issuer(s) or in related investments. Refer to BofA Global Research policies relating to conflicts of interest.

"BofA Securities" includes BofA Securities, Inc. ("BofAS") and its affiliates. Investors should contact their BofA Securities representative or Merrill Global Wealth Management financial advisor if they have questions concerning this report or concerning the appropriateness of any investment idea described herein for such investor. "BofA Securities" is a global brand for BofA Global Research.

Information relating to Non-US affiliates of BofA Securities and Distribution of Affiliate Research Reports:

BofAS and/or Merrill Lynch, Pierce, Fenner & Smith Incorporated ("MLPF&S") may in the future distribute, information of the following non-US affiliates in the US (short name: legal name, regulator): Merrill Lynch (South Africa): Merrill Lynch South Africa (Pty) Ltd., regulated by The Financial Service Board; MLI (UK): Merrill Lynch International, regulated by the Financial Conduct Authority (FCA) and the Prudential Regulation Authority (PRA); BofASE (France): BofA Securities Europe SA is authorized by the Autorité de Contrôle Prudentiel et de Résolution (ACPR) and regulated by the ACPR and the Autorité des Marchés Financiers (AMF). BofA Securities Europe SA ("BofASE") with registered address at 51, rue La Boétie, 75008 Paris is registered under no 842 602 690 RCS Paris. In accordance with the provisions of French Code Monétaire et Financier (Monetary and Financial Code), BofASE is an établissement de crédit et d'investissement (credit and investment institution) that is authorised and supervised by the European Central Bank and the Autorité de Contrôle Prudentiel et de Résolution (ACPR) and regulated by the ACPR and the Autorité des Marchés Financiers. BofASE's share capital can be found at <a href="https://www.bofaml.com/BofASEdisclaimers">www.bofaml.com/BofASEdisclaimers</a>; BofA Europe (Milan): Bank of America Europe Designated Activity Company, Milan Branch, regulated by the Bank of Italy, the European Central Bank (ECB) and the Central Bank of Ireland (CBI); BofA Europe (Frankfurt): Bank of America Europe Designated Activity Company,



Frankfurt Branch regulated by BaFin, the ECB and the CBI; BofA Europe (Madrid): Bank of America Europe Designated Activity Company, Sucursal en España, regulated by the Bank of Spain, the ECB and the CBI; Merrill Lynch (Australia): Merrill Lynch Equities (Australia) Limited, regulated by the Australian Securities and Investments Commission; Merrill Lynch (Hong Kong): Merrill Lynch (Asia Pacific) Limited, regulated by the Hong Kong Securities and Futures Commission (HKSFC); Merrill Lynch (Singapore): Merrill Lynch (Singapore) Pte Ltd, regulated by the Monetary Authority of Singapore (MAS); Merrill Lynch (Canada): Merrill Lynch Canada Inc, regulated by the Canadian Investment Regulatory Organization; Merrill Lynch (Mexico): Merrill Lynch Mexico, SA de CV, Casa de Bolsa, regulated by the Comisión Nacional Bancaria y de Valores; Merrill Lynch (Argentina): Merrill Lynch Argentina SA, regulated by Comisión Nacional de Valores; BofAS Japan: BofA Securities Japan Co., Ltd., regulated by the Financial Supervisory Service; Merrill Lynch (International, LLC Seoul Branch, regulated by the Financial Supervisory Service; Merrill Lynch (Taiwan): Merrill Lynch Securities (Taiwan) Ltd., regulated by the Securities and Futures Bureau; BofAS India: BofA Securities India Limited, regulated by the Securities and Exchange Board of India (SEBI); Merrill Lynch (Israel): Merrill Lynch Israel Limited, regulated by the Dubai Financial Services Authority (DFSA); Merrill Lynch (Brazil): Merrill Lynch KSA Company: Merrill Lynch Kingdom of Saudi Arabia Company, regulated by the Capital Market Authority.

This information: has been approved for publication and is distributed in the United Kingdom (UK) to professional clients and eligible counterparties (as each is defined in the rules of the FCA and the PRA) by MLI (UK), which is authorized by the PRA and regulated by the FCA and the PRA - details about the extent of our regulation by the FCA and PRA are available from us on request; has been approved for publication and is distributed in the European Economic Area (EEA) by BofASE (France), which is authorized by the ACPR and regulated by the ACPR and the AMF; has been considered and distributed in Japan by BofAS Japan, a registered securities dealer under the Financial Instruments and Exchange Act in Japan, or its permitted affiliates; is issued and distributed in Hong Kong by Merrill Lynch (Hong Kong) which is regulated by HKSFC; is issued and distributed in Taiwan by Merrill Lynch (Taiwan); is issued and distributed in India by BofAS India; and is issued and distributed in Singapore to institutional investors and/or accredited investors (each as defined under the Financial Advisers Regulations) by Merrill Lynch (Singapore) (Company Registration No 198602883D). Merrill Lynch (Singapore) is regulated by MAS. Merrill Lynch Equities (Australia) Limited (ABN 65 006 276 795), AFS License 235132 (MLEA) distributes this information in Australia only to 'Wholesale' clients as defined by s.761G of the Corporations Act 2001. With the exception of Bank of America N.A., Australia Branch, neither MLEA nor any of its affiliates involved in preparing this information is an Authorised Deposit-Taking Institution under the Banking Act 1959 nor regulated by the Australian Prudential Regulation Authority. No approval is required for publication or distribution of this information in Brazil and its local distribution is by Merrill Lynch (Brazil) in accordance with applicable regulations. Merrill Lynch (DIFC) is authorized and regulated by the DFSA. Information prepared and issued by Merrill Lynch (DIFC) is done so in accordance wi

This information has been prepared and issued by BofAS and/or one or more of its non-US affiliates. The author(s) of this information may not be licensed to carry on regulated activities in your jurisdiction and, if not licensed, do not hold themselves out as being able to do so. BofAS and/or MLPF&S is the distributor of this information in the US and accepts full responsibility for information distributed to BofAS and/or MLPF&S clients in the US by its non-US affiliates. Any US person receiving this information and wishing to effect any transaction in any security discussed herein should do so through BofAS and/or MLPF&S and not such foreign affiliates. Hong Kong recipients of this information should contact Merrill Lynch (Asia Pacific) Limited in respect of any matters relating to dealing in securities or provision of specific advice on securities or any other matters arising from, or in connection with, this information. Singapore recipients of this information should contact Merrill Lynch (Singapore) Pte Ltd in respect of any matters arising from, or in connection with, this information. For clients that are not accredited investors, expert investors or institutional investors Merrill Lynch (Singapore) Pte Ltd accepts full responsibility for the contents of this information distributed to such clients in Singapore.

#### General Investment Related Disclosures:

Taiwan Readers: Neither the information nor any opinion expressed herein constitutes an offer or a solicitation of an offer to transact in any securities or other financial instrument. No part of this report may be used or reproduced or quoted in any manner whatsoever in Taiwan by the press or any other person without the express written consent of BofA Securities. This document provides general information only, and has been prepared for, and is intended for general distribution to, BofA Securities clients. Neither the information nor any opinion expressed constitutes an offer or an invitation to make an offer, to buy or sell any securities or other financial instrument or any derivative related to such securities or instruments (e.g., options, futures, warrants, and contracts for differences). This document is not intended to provide personal investment advice and it does not take into account the specific investment objectives, financial situation and the particular needs of, and is not directed to, any specific person(s). This document and its content do not constitute, and should not be considered to constitute, investment advice for purposes of ERISA, the US tax code, the Investment Advisers Act or otherwise. Investors should seek financial advice regarding the appropriateness of investing in financial instruments and implementing investment strategies discussed or recommended in this document and should understand that statements regarding future prospects may not be realized. Any decision to purchase or subscribe for securities in any offering must be based solely on existing public information on such security or the information in the prospectus or other offering document issued in connection with such offering, and not on this document.

Securities and other financial instruments referred to herein, or recommended, offered or sold by BofA Securities, are not insured by the Federal Deposit Insurance Corporation and are not deposits or other obligations of any insured depository institution (including, Bank of America, N.A.). Investments in general and, derivatives, in particular, involve numerous risks, including, among others, market risk, counterparty default risk and liquidity risk. No security, financial instrument or derivative is suitable for all investors. Digital assets are extremely speculative, volatile and are largely unregulated. In some cases, securities and other financial instruments may be difficult to value or sell and reliable information about the value or risks related to the security or financial instrument may be difficult to obtain. Investors should note that income from such securities and other financial instruments, if any, may fluctuate and that price or value of such securities and instruments may rise or fall and, in some cases, investors may lose their entire principal investment. Past performance is not necessarily a guide to future performance. Levels and basis for taxation may change.

This report may contain a short-term trading idea or recommendation, which highlights a specific near-term catalyst or event impacting the issuer or the market that is anticipated to have a short-term price impact on the equity securities of the issuer. Short-term trading ideas and recommendations are different from and do not affect a stock's fundamental equity rating, which reflects both a longer term total return expectation and attractiveness for investment relative to other stocks within its Coverage Cluster. Short-term trading ideas and recommendations may be more or less positive than a stock's fundamental equity rating.

BofA Securities is aware that the implementation of the ideas expressed in this report may depend upon an investor's ability to "short" securities or other financial instruments and that such action may be limited by regulations prohibiting or restricting "shortselling" in many jurisdictions. Investors are urged to seek advice regarding the applicability of such regulations prior to executing any short idea contained in this report.

Foreign currency rates of exchange may adversely affect the value, price or income of any security or financial instrument mentioned herein. Investors in such securities and instruments, including ADRs, effectively assume currency risk.

BofAS or one of its affiliates is a regular issuer of traded financial instruments linked to securities that may have been recommended in this report. BofAS or one of its affiliates may, at any time, hold a trading position (long or short) in the securities and financial instruments discussed in this report.

BofA Securities, through business units other than BofA Global Research, may have issued and may in the future issue trading ideas or recommendations that are inconsistent with, and reach different conclusions from, the information presented herein. Such ideas or recommendations may reflect different time frames, assumptions, views and analytical methods of the persons who prepared them, and BofA Securities is under no obligation to ensure that such other trading ideas or recommendations are brought to the attention of any recipient of this information. In the event that the recipient received this information pursuant to a contract between the recipient and BofAS for the provision of research services for a separate fee, and in connection therewith BofAS may be deemed to be acting as an investment adviser, such status relates, if at all, solely to the person with whom BofAS has contracted directly and does not extend beyond the delivery of this report (unless otherwise agreed specifically in writing by BofAS). If such recipient uses the services of BofAS in connection with the sale or purchase of a security referred to herein, BofAS may act as principal for its own account or as agent for another person. BofAS is and continues to act solely as a broker-dealer in connection with the execution of any transactions, including transactions in any securities referred to herein.

#### BofA ESGMeter Methodology:

ESGMeter is a proprietary metric based on quantitative analysis and fundamental analyst inputs that reflects our assessment of a company's Environmental, Social and Governance-related attributes. The ESGMeter is intended to indicate a company's likelihood of experiencing stronger financial stability (higher return on equity and lower earnings and price volatility) over the next three years relative to peer group. There are three ESGMeter levels - Low, Medium, and High - which indicate whether a company has attributes most likely to translate into superior financial stability (in the case of a High level) or weaker financial stability (in the case of a Low level) over the next three years relative to its peer group. A Medium level suggests that a company exhibits ESG characteristics that are likely associated with financial stability results in line with its peer group over the next three years. Full details of our methodology, financial stability definition and disclaimers are available at BofA ESGMeter methodology. ESGMeter is not indicative of a company's future stock price performance and is not an investment recommendation or rating.



ESGMeter is independent of the BofA Global Research fundamental equity analyst's investment rating, volatility risk rating, income rating or price objective for that company.

#### Copyright and General Information:

Copyright 2024 Bank of America Corporation. All rights reserved. iQdatabase® is a registered service mark of Bank of America Corporation. This information is prepared for the use of BofA Securities clients and may not be redistributed, retransmitted or disclosed, in whole or in part, or in any form or manner, without the express written consent of BofA Securities. BofA Global Research information is distributed simultaneously to internal and client websites and other portals by BofA Securities and is not publicly-available material. Any unauthorized use or disclosure is prohibited. Receipt and review of this information constitutes your agreement not to redistribute, retransmit, or disclose to others the contents, opinions, conclusion, or information contained herein (including any investment recommendations, estimates or price targets) without first obtaining express permission from an authorized officer of BofA Securities. Materials prepared by BofA Global Research personnel are based on public information. Facts and views presented in this material have not been reviewed by, and may not reflect information known to, professionals in other business areas of BofA Securities, including investment banking personnel. BofA Securities has established information barriers between BofA Global Research and certain business groups. As a result, BofA Securities does not disclose certain client relationships with, or compensation received from, such issuers. To the extent this material discusses any legal proceeding or issues, it has not been prepared as nor is it intended to express any legal conclusion, opinion or advice. Investors should consult their own legal advisers as to issues of law relating to the subject matter of this material. BofA Global Research personnel's knowledge of legal proceedings in which any BofA Securities entity and/or its directors, officers and employees may be plaintiffs, defendants, co-defendants or co-plaintiffs with or involving issuers mentioned in this material is based on public inform

This information has been prepared independently of any issuer of securities mentioned herein and not in connection with any proposed offering of securities or as agent of any issuer of any securities. None of BofAS any of its affiliates or their research analysts has any authority whatsoever to make any representation or warranty on behalf of the issuer(s). BofA Global Research policy prohibits research personnel from disclosing a recommendation, investment rating, or investment thesis for review by an issuer prior to the publication of a research report containing such rating, recommendation or investment thesis.

Any information relating to the tax status of financial instruments discussed herein is not intended to provide tax advice or to be used by anyone to provide tax advice. Investors are urged to seek tax advice based on their particular circumstances from an independent tax professional.

The information herein (other than disclosure information relating to BofA Securities and its affiliates) was obtained from various sources and we do not guarantee its accuracy. This information may contain links to third-party websites. BofA Securities is not responsible for the content of any third-party website or any linked content contained in a third-party website. Content contained on such third-party websites is not part of this information and is not incorporated by reference. The inclusion of a link does not imply any endorsement by or any affiliation with BofA Securities. Access to any third-party website is at your own risk, and you should always review the terms and privacy policies at third-party websites before submitting any personal information to them. BofA Securities is not responsible for such terms and privacy policies and expressly disclaims any liability for them.

All opinions, projections and estimates constitute the judgment of the author as of the date of publication and are subject to change without notice. Prices also are subject to change without notice. BofA Securities is under no obligation to update this information and BofA Securities ability to publish information on the subject issuer(s) in the future is subject to applicable quiet periods. You should therefore assume that BofA Securities will not update any fact, circumstance or opinion contained herein.

Subject to the quiet period applicable under laws of the various jurisdictions in which we distribute research reports and other legal and BofA Securities policy-related restrictions on the publication of research reports, fundamental equity reports are produced on a regular basis as necessary to keep the investment recommendation current.

Certain outstanding reports or investment opinions relating to securities, financial instruments and/or issuers may no longer be current. Always refer to the most recent research report relating to an issuer prior to making an investment decision.

In some cases, an issuer may be classified as Restricted or may be Under Review or Extended Review. In each case, investors should consider any investment opinion relating to such issuer (or its security and/or financial instruments) to be suspended or withdrawn and should not rely on the analyses and investment opinion(s) pertaining to such issuer (or its securities and/or financial instruments) nor should the analyses or opinion(s) be considered a solicitation of any kind. Sales persons and financial advisors affiliated with BofAS or any of its affiliates may not solicit purchases of securities or financial instruments that are Restricted or Under Review and may only solicit securities under Extended Review in accordance with firm policies. Neither BofA Securities nor any officer or employee of BofA Securities accepts any liability whatsoever for any direct, indirect or consequential damages or losses arising from any use of this information.

