

BRF

Raising estimates and POs; keep Underperform

Reiterate Rating: UNDERPERFORM | PO: 15.30 BRL | Price: 15.20 BRL

Q4 results drove a rally of protein stocks this week

Brazilian protein stocks rallied this week, with BRF shares up 14% since last Friday, Marfrig +12.5% and JBS +6%, versus the Ibovespa flattish in the same period. Most of the move was triggered by BRF's solid 4Q23 results, while the stock's short position was high (lending interest ratio at 10 a week ago, versus 1.5 currently), and strong Pilgrim's Pride Q4, which was supportive for JBS. Marfrig rebounded as it owns 50.1% of BRF.

Raising estimates/PO, but better momentum is priced in

We raise our EBITDA estimates for BRF in 2024 by 18% to R\$6.6bn, to account for the carry of lower feed costs seen in Q4 and higher international chicken prices, given the company's diversification strategy and exposure to the Middle East. We thus raise our PO to R\$15.3 (from R\$11.6). Nonetheless, we keep our Underperform since we see limited return potential for the shares post rally, while we believe there is limited room for upward estimate revisions by consensus. Finally, the stock is trading at only 4% FCF yield in '24.

Estimates(Dec) (BRL)	2022A	2023A	2024E	2025E	2026E
EPS	(2.89)	(2.00)	0.95	0.83	1.14
GAAP EPS	(2.89)	(2.44)	0.95	0.83	1.14
EPS Change (YoY)	NM	30.8%	NM	-12.6%	37.3%
Consensus EPS (Bloomberg)			0.29	0.42	0.86
DPS	0	0	0.48	0.41	0.53
ADR EPS (US\$)	(0.56)	(0.40)	0.19	0.17	0.23
ADR DPS (US\$)	0	0	0.10	0.08	0.11
Valuation (Dec)					
P/E	NM	NM	15.9x	18.3x	13.3x
Dividend Yield	0%	0%	3.1%	2.7%	3.5%
EV / EBITDA*	9.8x	8.7x	5.9x	6.0x	5.4x
Free Cash Flow Yield*	-8.5%	-2.6%	4.4%	4.6%	6.1%
* For full definitions of ${\it \emph{M}}$ method $^{\rm SM}$ measures, see page 6.					

28 February 2024

Equity

Key Changes		
(BRL)	Previous	Current
Price Obj.	11.60	15.30
2024E Rev (m)	56,445.6	56,256.3
2025E Rev (m)	58,048.7	58,219.3
2026E Rev (m)	61,118.9	61,340.9
2024E EPS	0.51	0.95
2025E EPS	1.03	0.83
2026E EPS	1.46	1.14
2024E DPS	0.17	0.48

Isabella Simonato >> Research Analyst Merrill Lynch (Brazil) +55 11 2188 4243 isabella.simonato@bofa.com

Fernando Olvera >> Research Analyst Merrill Lynch (Mexico) +52 55 5201 3473 folvera@bofa.com

Stock Data

Price (Common / ADR)

Price (Common / ADR)	15.20 BKL / 3.05 USD
Price Objective	15.30 BRL / 3.20 USD
Date Established	28-Feb-2024 / 28-Feb-
	2024
Investment Opinion	C-3-7 / C-3-7
52-Week Range	5.48 BRL - 15.50 BRL
Market Value (mn)	25,507 BRL
Free Float	45.9%
Average Daily Value	23.25 USD
Shares Outstanding (mn)	1,678.1 / 1,678.1
BofA Ticker / Exchange	BRFFF / SAO
BofA Ticker / Exchange	BRFS / NYS
Bloomberg / Reuters	BRFS3 BZ / BRFS3.SA
ROE (2024E)	10.4%
Net Dbt to Eqty (Dec-2023A)	72.6%

15.20 BRL / 3.05 LISD

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

BofA 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 7 to 10. Analyst Certification on page 5. Price
Objective Basis/Risk on page 5.

Timestamp: 28 February 2024 05:00PM EST

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

iQprofile[™]BRF

<i>iQ</i> method SM − Bus Performance*					
(BRL Millions)	2022A	2023A	2024E	2025E	20261
Return on Capital Employed	0.7%	3.1%	8.5%	7.6%	8.9%
Return on Equity	-31.6%	-21.0%	10.4%	8.6%	11.3%
Operating Margin	-0.3%	2.6%	5.8%	5.2%	5.8%
Free Cash Flow	(2,169)	(661)	1,108	1,161	1,541
<i>iQ</i> method SM − Quality of Earnings*					
(BRL Millions)	2022A	2023A	2024E	2025E	2026
Cash Realization Ratio	NM	NM	2.6x	3.1x	2.6
Asset Replacement Ratio	1.0x	0.8x	0.9x	0.9x	0.9
Tax Rate	NM	5.8%	20.0%	20.0%	16.3%
Net Debt-to-Equity Ratio Interest Cover	136.5% -0.1x	72.6% 0.4x	66.6% 1.7x	61.2% 1.7x	54.2% 2.0x
Income Statement Data (Dec)					
(BRL Millions)	2022A	2023A	2024E	2025E	2026
Sales	53,806	54,171	56,256	58,219	61,341
% Change	11.3%	0.7%	3.8%	3.5%	5.4%
Gross Profit % Change	8,133 -20.1%	9,390 15.4%	11,638 23.9%	11,348 -2.5%	12,395 9.2%
EBITDA	3,955	4,490	6,601	6,482	7,189
% Change	-28.7%	13.5%	47.0%	-1.8%	10.9%
Net Interest & Other Income	(2,669)	(2,821)	(1,233)	(1,262)	(1,244
Net Income (Adjusted)	(3,117)	(2,756)	1,596	1,388	1,905
% Change	NM	11.6%	NM	-13.0%	37.2%
Free Cash Flow Data (Dec)					
(BRL Millions)	2022A	2023A	2024E	2025E	2026
Net Income from Cont Operations (GAAP)	(3,117)	(2,029)	1,596	1,388	1,905
Depreciation & Amortization	2,992	3,139	3,365	3,478	3,658
Change in Working Capital	(798)	(2,998)	(153)	129	(21
Deferred Taxation Charge	NA	NA	NA	NA	N/
Other Adjustments, Net	1,823	3,644	(718)	(631)	(628
Capital Expenditure	(3,069)	(2,417)	(2,982)	(3,202)	(3,374
Free Cash Flow	-2,169	-661	1,108	1,161	1,541
% Change Share / Issue Repurchase	-78.3% 0	69.5% 0	NM 0	4.8% 0	32.7%
Cost of Dividends Paid	0	0	(798)	(694)	(887
Change in Debt	(3,984)	(6,890)	0	0	(007
Balance Sheet Data (Dec)					
		2023A	2024E	2025E	2026
(PDI Millians)			2024E	2023E	2020
	2022A		0.574	10042	10.605
Cash & Equivalents	8,131	9,265	9,574 4,853	10,042	
Cash & Equivalents Trade Receivables	8,131 4,188	9,265 4,766	4,853	5,098	5,352
Cash & Equivalents Trade Receivables Other Current Assets	8,131 4,188 14,186	9,265 4,766 11,924	4,853 12,364	5,098 12,812	5,352 13,092
Cash & Equivalents Trade Receivables	8,131 4,188 14,186 14,291	9,265 4,766 11,924 14,609	4,853 12,364 14,906	5,098 12,812 15,310	5,352 13,092 15,706
Cash & Equivalents Trade Receivables Other Current Assets Property, Plant & Equipment	8,131 4,188 14,186	9,265 4,766 11,924	4,853 12,364	5,098 12,812	5,352 13,092 15,706 16,709
Cash & Equivalents Trade Receivables Other Current Assets Property, Plant & Equipment Other Non-Current Assets	8,131 4,188 14,186 14,291 17,043	9,265 4,766 11,924 14,609 16,701	4,853 12,364 14,906 16,701	5,098 12,812 15,310 16,701	5,352 13,092 15,706 16,709 61,55 4
Cash & Equivalents Trade Receivables Other Current Assets Property, Plant & Equipment Other Non-Current Assets Total Assets	8,131 4,188 14,186 14,291 17,043 57,838	9,265 4,766 11,924 14,609 16,701 57,265	4,853 12,364 14,906 16,701 58,399	5,098 12,812 15,310 16,701 59,964	5,352 13,092 15,706 16,709 61,554 2,452
Cash & Equivalents Trade Receivables Other Current Assets Property, Plant & Equipment Other Non-Current Assets Total Assets Short-Term Debt	8,131 4,188 14,186 14,291 17,043 57,838 3,880	9,265 4,766 11,924 14,609 16,701 57,265 2,452	4,853 12,364 14,906 16,701 58,399 2,452	5,098 12,812 15,310 16,701 59,964 2,452	5,352 13,092 15,706 16,709 61,554 2,452 18,649
Cash & Equivalents Trade Receivables Other Current Assets Property, Plant & Equipment Other Non-Current Assets Total Assets Short-Term Debt Other Current Liabilities Long-Term Debt Other Non-Current Liabilities	8,131 4,188 14,186 14,291 17,043 57,838 3,880 18,418 19,637 4,649	9,265 4,766 11,924 14,609 16,701 57,265 2,452 16,939 17,644 5,315	4,853 12,364 14,906 16,701 58,399 2,452 17,314 17,599 5,321	5,098 12,812 15,310 16,701 59,964 2,452 18,136 17,642 5,327	10,695 5,352 13,092 15,706 16,709 61,554 2,452 18,649 17,686 5,335
Cash & Equivalents Trade Receivables Other Current Assets Property, Plant & Equipment Other Non-Current Assets Total Assets Short-Term Debt Other Current Liabilities Long-Term Debt Other Non-Current Liabilities Total Liabilities	8,131 4,188 14,186 14,291 17,043 57,838 3,880 18,418 19,637 4,649 46,584	9,265 4,766 11,924 14,609 16,701 57,265 2,452 16,939 17,644 5,315 42,349	4,853 12,364 14,906 16,701 58,399 2,452 17,314 17,599 5,321 42,685	5,098 12,812 15,310 16,701 59,964 2,452 18,136 17,642 5,327 43,556	5,352 13,092 15,706 16,709 61,554 2,452 18,649 17,686 5,335 44,121
Trade Receivables Other Current Assets Property, Plant & Equipment Other Non-Current Assets Total Assets Short-Term Debt Other Current Liabilities Long-Term Debt Other Non-Current Liabilities	8,131 4,188 14,186 14,291 17,043 57,838 3,880 18,418 19,637 4,649	9,265 4,766 11,924 14,609 16,701 57,265 2,452 16,939 17,644 5,315	4,853 12,364 14,906 16,701 58,399 2,452 17,314 17,599 5,321	5,098 12,812 15,310 16,701 59,964 2,452 18,136 17,642 5,327	5,352 13,092 15,706 16,709 61,554 2,452 18,649 17,686 5,335

Company Sector

Food Processors

Company Description

BRF was created after the merger between Perdigao and Sadia in 2009, creating one of the largest protein companies in the world. The company is the domestic market leader in processed food and has a strong global market share in poultry (20% of global trade) and pork products, with presence in more than 110 countries. The company bases its business on a branded domestic business, where it has its own distribution network, combined with a global reach in poultry and pork exports.

Investment Rationale

Despite the expected earnings improvement given lower feed costs in 2H23/2024, we see downside risks to consensus estimates given lower protein prices. Moreover, cash flow remains limited and the stock has outperformed peers year-to-date. Risks to our call include a potential acquisition by Marfrig and US avian flu outbreak.

Stock Data

Average Daily Volume	7,579,284
Shares / ADR	1.00

Quarterly Earnings Estimates

	2023	2024
Q1	-0.96A	0.22E
Q2	-1.26A	0.21E
Q3	-0.23A	0.23E
Q4	0.45A	0.28E

Key Changes		
(US\$)	Previous	Current
Price Obj.	2.40	3.20
2024E EPS	0.10	0.19
2025E EPS	0.21	0.17
2026E EPS	0.30	0.23
2024E DPS	0.03	0.10

^{*} For full definitions of $\emph{\textbf{IQ}}\textit{method}^{\text{SM}}$ measures, see page 6.

BRF: 2024 is undoubtedly a good year, but it's priced in

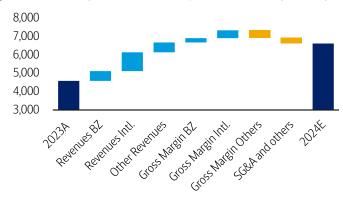
We reiterate our Underperform on BRF with new R\$15.3/US\$3.2 PO (from R\$11.6/US\$2.4). BRF reported solid 4Q23 results, with EBITDA of R\$1.9bn, mainly given lower feed costs and higher international chicken prices. We welcome the results presented by BRF's efficiency plan (BRF+) and the company's initiatives to recover profitability and growth. We also believe the industry outlook remains solid with fresh poultry prices in Brazil higher than in Q3, much higher than expected international chicken prices, mainly in the Middle East, while feed costs should remain low for longer.

Having said that, we believe the better earnings momentum is priced in after the recent rally of the shares and a 145% rebound in one year. Our new 2024 EBITDA estimate of R\$6.6.bn is at the top of the consensus' range and the stock is trading at only 4% FCF yield. It is also trading at similar EV/EBITDA than JBS at 5.9x in 2024, which is not justified in our view given the more limited EBITDA cash conversion (16% vs. 30% for JBS), and less business and geographic diversification.

Finally, we continue to see risk to the case: 1) competition with JBS' Seara in Brazil; 2) potential rebound on poultry supply given attractive margins to producers; 3) the normalized level of SG&A, which was higher than expected in 4Q23.

Exhibit 1: 2024E EBITDA build-up for BRF (R\$mn)

Drivers of EBITDA growth should be mainly international pricing and margins



Source: Company reports, BofA Global Research estimates

BofA GLOBAL RESEARCH

Exhibit 2: BRF cost per ton (R\$)

Cost started to decline in 2H23 and should remain low in 2024



Source: Company reports, BofA Global Research estimates

BofA GLOBAL RESEARCH

Exhibit 9: BRF Old vs. New estimates

Raising 2024 estimates given lower feed costs and higher international chicken prices

		2024E	2024E	2025E
Net Revenues (R\$mn)	New Estimates	56,256	58,219	61,341
	Old Estimates	56,446	58,049	61,119
	Change	-0.3%	0.3%	0.4%
Adj. EBITDA (R\$mn)	New Estimates	6,601	6,482	7,189
	Old Estimates	5,598	6,512	7,219
	Change	17.9%	-0.5%	-0.4%
Adj. EBITDA Margin	New Estimates	11.7%	11.1%	11.7%
	Old Estimates	9.9%	11.2%	11.8%
	Change	1.8 pp	-0. pp	-0. pp
Net Income (R\$mn)	New Estimates	1,596	1,388	1,905
	Old Estimates	856	1,729	2,445
	Change	86.5%	-19.7%	-22.1%
EPS (R\$/share)	New Estimates	0.95	0.83	1.14
	Old Estimates	0.51	1.03	1.46
	Change	86.5%	-19.7%	-22.1%
Net Debt (R\$mn)	New Estimates	13,430	13,006	11,906
	Old Estimates	13,785	13,663	14,690
	Change	-2.6%	-4.8%	-19.0%

Source: BofA Global Research estimates

BofA GLOBAL RESEARCH



Price objective basis & risk

BRF (BRFFF / BRFS)

Our PO for BRF of R\$15.3/share (US\$3.2/ADR) is based on a 50%/50% blend of DCF and target EV/EBITDA in 2024E. We base our 11.8% WACC on a capital structure of 60% equity/40% debt and a long term cost of debt of 10.5% in BRL term. Our target 2024E EV/EBITDA multiple valuation is at 6x, in line with current valuation and a discount to longer historical average given high leverage and deteriorating results over the years.

Downside risks to our PO are (1) lower-than-expected top-line growth in the domestic market and limited pass-through of costs, 2) low level of exports, (3) inherent proteins sector volatility (regarding supply conditions and trade barriers), (4) much higher grain prices on unfavorable weather, (5) bird flu to take a toll on production and exports, (6) failure to complete proposed share offering.

Upside risks to our PO are (1) stronger upside on protein prices in the domestic market, (2) exports margins recover ahead of expectations, (3) grain prices and other costs decline, (4) faster turnaround of operations, (5) successful execution of the long-term growth plan.

Analyst Certification

I, Isabella Simonato, 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.

Special Disclosures

The locally listed shares of Brazilian issuers may only be purchased by investors outside of Brazil who are eligible foreign investors within the meaning of applicable laws and regulations.

Latin America - Agribusiness, Food & Beverage Coverage Cluster

Investment rating	Company	BofA Ticker	Bloomberg symbol	Analyst
BUY				
	3tentos	XTTUF	TTEN3 BZ	Isabella Simonato
	Adecoagro	AGRO	AGRO US	Isabella Simonato
	AmBev	ABEV	ABEV US	Isabella Simonato
	AmBev	AVBPF	ABEV3 BZ	Isabella Simonato
	Arca Continental	EMBVF	AC* MM	Fernando Olvera
	Coca-Cola Femsa	KOF	KOF US	Fernando Olvera
	Coca-Cola Femsa	COCSF	KOFUBL MM	Fernando Olvera
	Cosan	CSAIF	CSAN3 BZ	Isabella Simonato
	Cosan	CSAN	CSAN US	Isabella Simonato
	Gruma	GPAGF	GRUMAB MM	Fernando Olvera
	JBS	JBSAF	JBSS3 BZ	Isabella Simonato
	Marfrig	MRRTF	MRFG3 BZ	Isabella Simonato
	Raizen	XUXIF	RAIZ4 BZ	Isabella Simonato
NEUTRAL				
	Bimbo	GRBMF	BIMBOA MM	Fernando Olvera
	CCU	XLUDF	CCU CI	Fernando Olvera
	CCU - ADR	CCU	CCU US	Fernando Olvera
	M. Dias Branco	XDMIF	MDIA3 BZ	Isabella Simonato
	Minerva	MRVSF	BEEF3 BZ	Isabella Simonato
	Sao Martinho	SRTOF	SMTO3 BZ	Isabella Simonato
	SLC Agricola	SLCJF	SLCE3 BZ	Isabella Simonato
UNDERPERFORM				
	BRF	BRFS	BRFS US	Isabella Simonato
	BRF	BRFFF	BRFS3 BZ	Isabella Simonato



Latin America - Agribusiness, Food & Beverage Coverage Cluster

Investment rating	Company	BofA Ticker	Bloomberg symbol	Analyst
	Camil Alimentos	XSREF	CAML3 BZ	Isabella Simonato
	Coca-Cola Andina	AKOBF	ANDINAB CI	Fernando Olvera
	Coca-Cola Andina-ADR	AKOB	AKO/B US	Fernando Olvera
	Cuervo	BCCLF	CUERVO* MM	Fernando Olvera
	SQM	SQM	SQM US	Isabella Simonato

IQmethod[™] Measures Definitions

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

Manethod Suis 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.

Redatabase is our real-time global research database that is sourced directly from our equity analysts' earnings models and includes forecasted as well as historical data for income statements, balance sheets, and cash flow statements for companies covered by BofA Global Research.

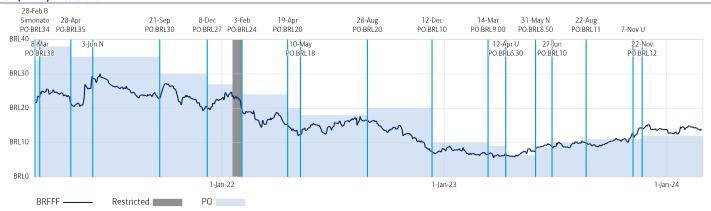
*Morofile**, Monethod** are service marks of Bank of America Corporation. *Modatabase** is a registered service mark of Bank of America Corporation.



Disclosures

Important Disclosures

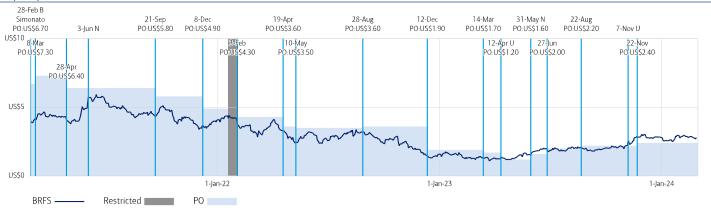
BRF SA (BRFFF) Price Chart



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.

BRF SA (BRFS) 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: Food Group (as of 31 Dec 2023)

Coverage Universe	Count	Percent	Inv. Banking Relationships R1	Count	Percent
Buy	33	49.25%	Buy	16	48.48%
Hold	17	25.37%	Hold	10	58.82%
Sell	17	25.37%	Sell	8	47.06%

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%

R1 Issuers that were investment banking clients 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^{R2}

 Buy
 ≥ 10%
 ≤ 70%

 Neutral
 ≥ 0%
 ≤ 30%

 Underperform
 N/A
 ≥ 20%

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: BRF SA.

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

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

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: BRF SA.

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

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: BRF SA. The country in which this issuer is organized has certain laws or regulations that limit or restrict ownership of the issuer's shares by nationals of other countries: BRF SA.

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: BRF SA.

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: BRF SA.

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 Prudential 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 www.bofaml.com/BofASEdisclaimer; 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 (Australia): Merrill Lynch (Hong Kong): Merrill (Hong Kong): Merr (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): Merrill Lynch (Mexico): Merrill Mexico): Merrill Lynch (Mexico): Merrill Lynch (Mexico): Merrill Lynch (Me de Bolsa, regulated by the Comisión Nacional Bancaría 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 Services Agency; Merrill Lynch (Seoul): 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): Merrill Lynch (Israel) intended by Israel Securities Authority; Merrill Lynch (DIFC): Merrill Lynch International (DIFC Branch), regulated by the Dubai Financial Services Authority (DFSA); Merrill Lynch (Brazil): Merrill Lynch S.A. Corretora de Títulos e Valores Mobiliários, regulated by Comissão de Valores Mobiliários; 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



R2 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.

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 done so in accordance with the requirements of the DFSA conduct of business rules. BofA Europe (Frankfurt) distributes this information in Germany and is regulated by BaFin, the ECB and the CBI. BofA Securities entities, including BofA Europe and BofASE (France), may outsource/delegate the marketing and/or provision of certain research services or aspects of research services to other branches or members of the BofA Securities group. You may be contacted by a different BofA Securities entity acting for and on behalf of your service provider where permitted by applicable law. This does not change your service provider. Please refer to the Electronic Communications Disclaimers for further information.

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. 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 in any securities referred to herein.

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.

