# **MARFRIG** 1Q25 Review: Advantageous exchange ratio vs. sector all-in

#### LatAm Meatpackers

genial

Equity

#### Main takeaways:

(i) North America: EBITDA of US\$6mn (-25% vs. Genial Est.), with a margin of 0.2% (flat q/q; -1.9p.p. y/y), reflecting compressed spreads and a challenging cycle; (ii) South America: EBITDA of R\$453mn (-1.8% vs. Genial Est.), down -31.4% g/g and up +56.2% y/y, with a margin of **11.1%** (-0.4p.p. vs. Genial Est.); (iii) BRF: EBITDA of R\$2.8bn (+7% vs. Genial Est.), falling -1.9% q/q and growing +30.1% y/y, with a margin of 17.8% (+1.0p.p. vs. Genial Est.); (iv) Consolidated: EBITDA was R\$3.2bn (+6.4% vs. Genial Est.), falling **-14.7% g/g**, but showing a gain of **+20.8% y/y**, with a margin of 8.3% (-0.6p.p. q/q; -0.1p.p. y/y). (v) Positive FCF of R\$182mn (+12% vs. Genial Est.), down -88.6% q/q and reversing the consumption of -R\$558mn in 1Q24, sustained by discipline in working capital and higher operating generation (R\$3.1bn; -29.7% q/q; +102.0% y/y); Leverage in BRL declined to 2.7x (-0.13x q/q) with a favorable exchange rate impact; in USD, it rose to 2.6x (+0.15x q/q); (vi) Risks: Possible negative turn in BRF; adverse cycle in US cattle and depreciation of the USD/BRL and still high leverage; (vii) The exchange ratio (0.8521 BRFS3/MRFG3) favors Marfrig, with no control premium or goodwill; implicit discount of ~15% for BRF; for Marfrig, the deal is highly accretive; (viii) Mr. Molina with 41% of MBRF, with possible departure from the domestic market and international listing of the new MBRF. This initiative could unlock value via rerating of multiples; (ix) New MBRF will have strong exposure to chicken, with mitigation from natural hedge from beef in Brazil; (x) We have upgraded our recommendation to BUY (vs. NEUTRAL previously), with a 12M Target Price of **R\$26.00** (vs. R\$16.00 previously), implying an **upside** of **+25.8%**.

#### Table 1. Income Statement Marfrig (1Q25 vs. Genial Est.)

	1Q25 Reported	1Q25E Genial Est.	% R/E	4Q24 Reported	% q/q	1Q24 Reported	% у/у
Net Revenue COGS	<b>38.562</b> (33.919)	<b>37.290</b> (32.871)	<b>3,4%</b> 3,2%	<b>42.150</b> (36.469)	<b>-8,5%</b> -7,0%	<b>31.591</b> (27.753)	<b>22,1%</b> 22,2%
Adjusted EBITDA	<b>3.196</b>	<b>3.005</b>	<b>6,4%</b>	<b>3.747</b>	<b>-14,7%</b>	<b>2.646</b>	<b>20,8%</b>
EBITDA Margin (%)	8,3%	8,1%	0,2p.p	8,9%	-0,6p.p	8,4%	-0,1p.p
<b>EBIT</b>	<b>1.277</b>	<b>1.177</b>	<b>8,5%</b>	<b>1.531</b>	<b>-16,6%</b>	<b>877</b>	<b>45,7%</b>
EBIT Margin (%)	3,3%	3,2%	0,2p.p	3,6%	-0,3p.p	2,8%	0,5p.p
D&A	(1.795)	(1.828)	-1,8%	(1.959)	-8,4%	(1.696)	5,8%
Financial Result	(1.347)	(991)	35,9%	(1.805)	-25,4%	(973)	38,5%
Net Income	<b>88</b>	<b>(59)</b>	-	<b>2.578</b>	<b>-96,6%</b>	<b>63</b>	<b>40,6%</b>
Net Margin (%)	0,2%	-0,2%		6,1%	-5,9p.p	0,2%	0,0p.p

Source: Marfrig, Genial Investimentos

#### Analysts

Igor Guedes +55 (11) 3206-8286 igor.guedes@genial.com.vc

Luca Vello +55 (11) 3206-1457 luca.vello@genial.com.vc

lago Souza +55 (11) 3206-8244 lago.souza@genial.com.vc

Company

MRFG3 BZ Equity Buy

Price: R\$ 20.66 (15-May-2025) Target Price 12M: R\$ 26.00 Marfrig released its Q1 2025 results yesterday, May 16, after the market closed. In our assessment, the company had a satisfactory quarter, given the cyclical and seasonal conditions. Although our feeling was that the result was in line with our expectations, with an EBITDA margin of 8.3% (+0.2p.p. vs. Genial Est.), on the other hand, what should be the focus of investor sentiment in today's trading session will be the announcement, which ran alongside the release of the results last night (May 15), that Marfrig, which had already been the controlling shareholder since April 2022, offered to buy the remaining 49.5% of BRF's shares, reaching 100% ownership and delisting BRF from B3.

We anticipate that **investors positioned in Marfrig** will likely **view as positive** the **exchange ratio** of **0.85 common shares** issued by Marfrig for each 1 common share issued by the company.

The Extraordinary General Meeting (**EGM**) for minority shareholders to decide on the matter will be held on **June 18**. We will explore more details of the transaction in the **"Our Take"** section.

The company reported **consolidated Net Revenues** of **R\$38.6bn** (+3.4% vs. Genial Est.), down **-8.5% q/q** and up **+22.1% y/y**. The performance was slightly above expectations, driven mainly by BRF, which accounted for 40% of total revenue. Despite the expected sequential slowdown, reflecting the seasonal peak in 4Q24, the result was favored by a consolidated volume of 1,945kt (+2.3% vs. Genial Est.), up +8.5% y/y.

**Adjusted EBITDA** was **R\$3.2bn** (+6.4% vs. Genial Est.), down **-14.7% q/q** but up **+20.8% y/y**, with a margin of **8.3%** (-0.6p.p. q/q; -0.1p.p. y/y). BRF accounted for **85% of consolidated EBITDA** and posted a **margin +1.0p.p.** above our forecasts, driven by solid operating performance and growing profitability. The **other operations** made a **marginal contribution** (South America) or none (North America), in line with expectations. Finally, **Net Income** attributable to the parent company totaled **R\$88mn** (vs. -R\$59mn Genial Est.), practically stable compared to 1Q24, but well below 4Q24, which was positively impacted by non-recurring effects.

#### **1Q25 Review**

North America: Revenue surprises with higher volume, but costs limit margin.

Net Revenues totaled US\$3.3bn (+7.2% vs. Genial Est.), advancing +2.1% q/q and +15.4% y/y, with the positive deviation explained by a processed volume of 502 kt (+7.7% vs. Genial Est.), up +5.2% y/y and above our expectations, but basically flat sequentially (+0.4% q/q). The realized price stood at US\$6.51/kg (in line with Genial Est.), accelerating +1.9% q/q and +9.7% y/y, reflecting partial pass-through of the upward movement in the USDA Comprehensive cut out indicator, which rose +9.1% y/y to US\$3.24/kg. The price difference over the market cutout shows the price premium that National Beef operates, given the higher-quality cuts.

COGS/kg reached US\$6.37/kg (+1.9% vs. Genial Est.), up +11.4% y/y, above our estimate, pressured by higher input costs — notably the price of cattle (USDA KS Steer), which rose +12.3% y/y to US\$2.0/kg, and the decline in slaughter credits (-1.2% y/y). We believe that (i) the lower availability of cattle for slaughter, coupled with (ii) climatic and seasonal effects, imposed a higher average cost on operations.

Adjusted EBITDA totaled only US\$6mn (-25% vs. Genial Est.), well below our projections, marking stability q/q and a decline of -89.7% y/y. The margin stood at 0.2% (vs. 0.3% Genial Est.), also flat q/q and down -1.9p.p. y/y. In our view, the result reinforces that the fundamentals of the operation remain under pressure, with spreads still at historically low levels — a process that is likely to continue over the next 18 months.

**South America: Accelerating costs reduce margins.** Net Revenues totaled R\$4.1bn (+1.9% vs. Genial Est.), down -20.7% q/q and up +35.2% y/y. The positive deviation from our projections was driven by sales volume of 206kt (+4.0% vs. Genial Est.), down -14.8% q/q and up +24.5% y/y, reflecting the operational rampup of new slaughter and deboning capacities at plants that were reborn after the sale of the asset package to Minerva. The realized price was R\$19.82/kg (-2.0% vs. Genial Est.), falling -7.0% q/q and rising +8.6% y/y, with a marginal mix adjustment—with a lower share of exports to China and Hong Kong (49% vs. 61% in 1Q24).

COGS/kg was higher than expected, at R\$16.21 (+2.6% vs. Genial Est.), falling -6.6% q/q and rising +7.1% y/y, pressured by the increase in cattle prices in Brazil, which accelerated by +32.9% y/y. Other regions also saw significant increases in cattle purchase prices, such as Argentina (+25.9% y/y) and Uruguay (+19.7% y/y).

Adjusted EBITDA reached R\$453mn (-1.8% vs. Genial Est.), falling -31.4% q/q and growing +56.2% y/y, with a margin of 11.1% (-0.4p.p. vs. Genial Est.), contracting - 1.7p.p. q/q and expanding +1.5p.p. y/y. In our view, the result confirms that strong demand traction, with (i) robust volume growth, but also reflects (ii) margin challenges indicating a downward cycle, given (iii) higher cattle acquisition costs and (iv) a slight weakening of the price mix in the quarter.

**BRF: Margin surprises positively with lower unit costs and control of operating expenses.** Net Revenues totaled R\$15.4bn (+1.2% vs. Genial Est.), declining -11.7% q/q and advancing +15.7% y/y. The slight positive surprise compared to our estimates stems from higher volumes, which totaled 1,243kt (+2.6% vs. Genial Est.), more than offsetting the implied average price of R\$12.48/kg (-1.3% vs. Genial Est.), falling -5.5% q/q and rising +7.6% y/y. The sequential decline was already expected, given the seasonal effect of the transition between 4Q and 1Q, while the annual expansion reflects commercial passthroughs and greater penetration of processed products.

COGS/kg was R\$9.22 (-1.5% vs. Genial Est.), falling -6.3% q/q and advancing +4.8% y/y, a more benign level than we had anticipated, favored by lower labor costs and better absorption of fixed expenses, in addition to the seasonal effect of 4Q24, which inflated the comparative base. Discipline in SG&A also contributed to the result, with operating expenses representing 12.7% of revenue (vs. 12.9% Genial Est.).

Adjusted EBITDA reached R2.8bn (+7% vs. Genial Est.), falling -1.9% q/q and growing +30.1% y/y, while the margin accelerated to 17.8% (+1.0p.p. vs. Genial Est.), rising +1.8p.p. q/q and +2.0p.p. y/y. We believe that the results reinforce BRF's strong operational execution, with gains in scale, cost control, and greater dilution of expenses. For more details, we recommend reading our report on the BRF's results.

#### **Our Take on Marfrig**

**FCF positive; leverage down.** The company reported **FCF** of **R\$182mn** (+12% vs. Genial Est.), down **-88.6% q/q**, but **reversing cash consumption in 1Q24** (-R\$558mn). The year-on-year comparison reflects a **substantial recovery** in cash conversion, anchored by greater discipline in working capital (WC) and significant growth in **operating cash generation**, which reached **R\$3.1bn** (-29.7% q/q; +102.0% y/y), more than offsetting interest payments, which reached **R\$1.5bn** (+4.9% q/q; +19.0% y/y), and **CAPEX**, which totaled **R\$1.4bn** (+5.2% vs. Genial Est.), accelerating +3.6% q/q and +67.3% y/y, reflecting greater investment intensity — mainly via BRF.

Even in this context of higher capital requirements, the company managed to reduce its **level of leverage**. In **BRL**, the **Net Debt/EBITDA** ratio fell to **2.7x** (-0.13x q/q), marking the **lowest level** since the beginning of the **group's reorganization** cycle. Although this was a positive milestone, we highlight that the reduction was due to the **slowdown in the USD/BRL FX rate EoP** (R\$5.74 vs. 6.19 in 4Q24) and its impact on the marking of debts issued in USD. We also highlight the **significant disbursements** for **share buybacks**, which totaled **R\$800mn**. In **USD**, **leverage accelerated** to **2.6x** (+0.15x q/q). Adjusted for the possible sale of assets in Uruguay, the consolidated ratio would fall to **2.6x in BRL**.

**However, we still point it out...** Despite this, we still point out some challenges inherent to the thesis in the short and medium terms. Among the main risks, we highlight (i) the company's high level of leverage, which, although on a downward trajectory, still imposes restrictions on financial flexibility and may limit more ambitious strategic moves. In addition, (ii) any negative inflections in the earnings cycle of BRF — which today represents the group's main source of FCF generation — could significantly compromise the consolidated dynamics.

In the **external environment**, we remain concerned about a **(iii)** possible **extension of the downturn** in the **cattle** industry in the **US**, which would continue to pressure operating margins in North America.

genial Research

Finally, (iv) the recent **depreciation of the USD/BRL** combined with a global macroeconomic downturn, with a possible **slowdown in demand for beef**, given the global trend toward **trade down from more expensive proteins** to cheaper ones (chicken, pork, and processed meats), should be the most structural risk factors to the thesis, especially if we exclude BRF's results when evaluating the business.

**Corporate perspective: Good for Marfrig's minority position, bad for BRF's.** From a corporate perspective, **Marfrig is conducting the transaction in a clearly favorable manner**. The takeover of BRF—a company in better operational shape, with expanding margins, strong FCF generation, and very low leverage—is taking place without the payment of a control premium or significant valuation multiple, even though BRF was trading at more than twice Marfrig's market cap (R\$34.6bn vs. R\$17.7bn) prior to the announcement.

The exchange ratio set at **0.8521 Marfrig shares for each BRF** share, even if accompanied by **extraordinary dividends**, implies a **shift in value in favor of Marfrig**, estimated at up to **+15%** (1 – 0.85 = 0.15), considering that the respective share prices closed yesterday basically side by side (R\$20.62 BRFS3 and R\$20.66 MRFG3). We believe that in this type of situation, it is common for the controlling shareholder to include a premium to incorporate all the shares of the subsidiary. However, not only did this not happen, but on a non-agile basis — that is, 1 for 1 — the share swap ratio still has a **15% discount** vs. BRF's share price.

We found that the discount left **investors positioned** in **BRF dissatisfied**, and this immediately translated into a **broadly negative market reaction**, while **ADRs-NYSE** plunged **-11% in the aftermarket** after the official announcement of the agreement. This asymmetry, which was previously implicit, is objectively confirmed by our analysis of Marfrig's proforma EPS. Our projection for **EPS 25E** (before the transaction, with a 50.5% stake) was **R\$0.93**. With the incorporation of **100% of BRF**, **EPS 25E rises to R\$2.31** (a hyperbolic increase of +148% vs. previous estimate) in **scenario 1**, which considers the **average price** of the shares over the **last 52 weeks**. Normally, transactions of this type are parameterized by this range from the date to remove daily fluctuations and, at the same time, capture the company's current situation.

In scenario 2, based on yesterday's closing share price (May 15), EPS 25E rises to **R\$1.94** (a notable increase of 109% vs. previous Est). In other words, regardless of the scenario, we believe that the transaction would **more than double Marfrig's pre-deal EPS**. This gives the transaction an accretive character (generating value), showing that, from the perspective of value **for Marfrig shareholders**, this is a **highly advantageous deal**.

**Corporate perspective: Majority shareholder to relinquish control.** Although **Mr. Marcos Molina** is **relinquishing control** (currently exercised through his participation as an individual and holding vehicles), given the dilution caused by the absorption of BRF's share base into Marfrig's structure, he will retain **41%** (vs. 72% currently). We believe that this percentage is more than sufficient to ensure **a broad influence** over the strategic direction of the new company. This configuration raises questions about the **balance of the boards of directors** and the level of effective independence in **decision-making power**, especially considering past moves toward more centralized management. Finally, a relevant point of optionality is the **departure from the domestic domicile and international listing of the new MBRF**, with migration of the **shareholder base to the US** (a move like that of JBS). This initiative could unlock value through **rerating of multiples**, access to more liquid and broader capital markets, as well as a reduction in the cost of debt in hard currency.

**Business perspective: The new company will concentrate much of its exposure on chicken.** However, from a business structure standpoint, the **new MBRF** — as the company will be called, combining Marfrig + BRF — is expected to undergo a **significant change in its risk profile and value creation**.

With the recent sale of a very significant portion of its beef slaughter plants in Brazil to Minerva, Marfrig had already **reduced its natural hedge to the beef cycle** in the domestic market. Now, by incorporating BRF and making it the main generator of operating results (BRF accounted for 85% of EBITDA), the company consolidates its **dependence on chicken in Brazil**, precisely at a time when the sector is operating with historically high spreads. This concentration accentuates MBRF's sensitivity to a possible cyclical reversal in chicken, **without a relevant sectoral counterweight**.

Additionally, even with potential synergy gains—estimated at **R\$805mn/year**, of which **R\$485mn via revenues and supply chain** and **R\$320mn through fixed cost cuts**, in addition to **R\$3bn in present value tax gains**—we believe that **execution will be critical**. The integration of two distinct corporate cultures, operating systems, and logistics structures will require discipline and agility for the value thesis to materialize, even though we recognize that since Marfrig's purchase of ~50% of BRF's capital in 2021, operational improvements vis-à-vis the capture of synergies have been crystal clear.

Advantageous exchange ratio vs. sector all-in. Bull cycles do not last forever. In summary, the transaction is, from all corporate angles, positive and transformational for Marfrig, delivering direct value to shareholders (i) via a strong increase in earnings per share (EPS), (ii) scale gains with an estimated R\$805mn/year in operational synergies, and (iii) tax opportunities valued at approximately R\$3bn (measured by NPV). However, we believe that it reconfigures the group's risk profile, increasing exposure to a single cyclical sector (chicken, pork, and processed products via BRF), with a drastic reduction in the existence of a natural hedge with a producing counterparty, given the cooling of the beef business within Brazilian operations. We emphasize that, although the chicken cycle is currently operating with margins above the historical average (~12% in the last five years), with 2024 even being a record year for BRF (peak margin of 19.1% in 3Q24), up cycles do not last forever... Focusing on the high point of the cycle seems to us to be a risk in the medium term.



However, in the short term, it makes perfect sense.

Given the **clear increase in share value** resulting from an advantageous proposed exchange ratio – we use scenario 2 as our baseline scenario, as we believe it to be more conservative than scenario 1 – we consider it necessary to **upgrade our rating** to **BUY** (vs. NEUTRAL previously), changing our **12M Target Price** to **R\$26.00** (vs. R\$16.00 previously), implying an **upside** of **25.8%.** 

## **Appendix: Marfrig**

### Figure 1. Marfrig – Income Statement in R\$ Mn (Genial Est. 25-28E)

Income Statement	2025E	2026E	2027E	2028E
Net Revenue	160.230	166.445	174.145	182.201
(-) COGS	(140.522)	(147.470)	(155.337)	(163.981)
Gross Profit	19.708	18.975	18.808	18.220
(-) Expenses	(13.854)	(14.070)	(14.072)	(13.265)
Adjusted EBITDA	13.459	11.485	10.971	10.932
(-) D&A	(7.605)	(6.580)	(6.235)	(5.977)
EBIT	5.854	4.905	4.736	4.955
(+/-) Financial Result	(4.220)	(3.876)	(3.094)	(3.237)
(-) Taxes	(1.509)	(846)	(1.210)	(1.264)
Net Income	125	183	432	454
Profitability				
Net margin (%)	0,1%	0,1%	0,2%	0,2%

### Figure 2. Marfrig- Cash Flow in R\$ Mn (Genial Est. 25-28E)

FCFF	5.907	5.356	4.723	4.808
(-) Capex	(5.728)	(4.956)	(4.696)	(4.502)
(+/-) ∆ WK	(315)	(327)	(342)	(358)
(+) D&A	7.605	6.580	6.235	5.977
(-) Taxes	(1.509)	(846)	(1.210)	(1.264)
EBIT	5.854	4.905	4.736	4.955
Adjusted EBITDA	13.459	11.485	10.971	10.932
(-) COGS	(140.522)	(147.470)	(155.337)	(163.981)
Net Revenue	160.230	166.445	174.145	182.201
Cash Flow (FCFF)	2025E	2026E	2027E	2028E

### **Disclosure Section**

#### **1. GENERAL DISCLAIMER**

This report has been produced by the research department ("Genial Institutional Research") of Genial Institutional Corretora de Câmbio, Títulos e Valores Mobiliários S.A. ("GENIAL INSTITUTIONAL CCTVM"). Genial Institutional is a brand name of Genial Investimentos CCTVM.

Genial Rating		
	Definition	Coverage
Buy	Expected return above +10% in relation to the Company's sector average	49%
Neutral	Expected return between +10% and -10% relative to the Company's industry average	41%
Sell	Expected return below -10% in relation to the Company's sector average	5%
under Review	Under review	5%

This report may not be reproduced or redistributed to any other person, in whole or in part, for any purpose, without the prior written consent of GENIAL INSTITUTIONAL CCTVM. GENIAL INSTITUTIONAL CCTVM accepts no liability whatsoever for the actions of third parties in this respect.

This research report is for distribution only under such circumstances as may be permitted by applicable law. This research report has no regard to the specific investment objectives, financial situation or particular needs of any specific recipient, even if sent only to a single recipient. This research report is not guaranteed to be a complete statement or summary of any securities, markets, reports or developments referred to in this research report. Neither GENIAL INSTITUTIONAL CCTVM nor any of its directors, officers, employees or agents shall have any liability, however arising, for any error, inaccuracy or incompleteness of fact or opinion in this research report or lack of care in this research report's preparation or publication, or any losses or damages which may arise from the use of this research report report

GENIAL INSTITUTIONAL CCTVM may rely on information barriers, such as "Chinese Walls" to control the flow of information within the areas, units, divisions, groups, or affiliates of GENIAL INSTITUTIONAL CCTVM.

Investing in any non-U.S. securities or related financial instruments (including ADRs) discussed in this research report may present certain risks. The securities of non-U.S. issuers may not be registered with, or be subject to the regulations of, the U.S. Securities and Exchange Commission. Information on such non-U.S. securities or related financial instruments may be limited. Foreign companies may not be subject to audit and reporting standards and regulatory requirements comparable to those in effect within the United States.

The value of any investment or income from any securities or related financial instruments discussed in this research report denominated in a currency other than U.S. dollars is subject to exchange rate fluctuations that may have a positive or adverse effect on the value of or income from such securities or related financial instruments.

Past performance is not necessarily a guide to future performance and no representation or warranty, express or implied, is made by GENIAL INSTITUTIONAL CCTVM with respect to future performance. Income from investments may fluctuate. The price or value of the investments to which this research report relates, either directly or indirectly, may fall or rise against the interest of investors. Any recommendation or opinion contained in this research report may become outdated as a consequence of changes in the environment in which the issuer of the securities under analysis operates, in addition to changes in the estimates and forecasts, assumptions and valuation methodology used herein.

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

genial Resear



### 2. ANALYST(S) DISCLOSURES AND CERTIFICATION

The principal analyst, IGOR GUEDES, is responsible for the content of this report and for meeting the requirements of Securities and Exchange Commission of Brazil (CVM) Instruction 598/2018.

The analysts hereby certify that the views expressed in this research report accurately reflect their personal views about the subject securities or issuers and it was prepared in an independent manner, including with respect to the person and to GENIAL INSTITUTIONAL.

The analyst hereby certifies that he (she) has no connection with any individual who works for the issuer(s) discussed in this report.

The analyst hereby certifies that he (she), or his (her) spouse or companion, either directly or indirectly, in his or her own name or on behalf of a third party, does not hold any of the securities covered in this report.

The analyst hereby certifies that he (she), or his (her) spouse or companion, is not directly or indirectly involved in the purchase, disposal or brokering of the securities covered in this report.

The analyst hereby certifies that he (she), or the his (her) spouse or companion, has no direct or indirect financial interest in the issuer covered in this report (other than trading shares in investment funds, in which the analyst cannot control, directly or indirectly, the administration or management of the fund, or which do not concentrate investments in sectors or companies that are covered by reports produced by the analyst).

The analyst's compensation is, directly or indirectly, determined by income from GENIAL INSTITUTIONAL's business and financial operations.

In addition, the analysts certify that no part of their compensation was, is, or will be directly or indirectly related to the specific recommendations or views expressed in this research report.

The compensation of the analyst who prepared this report is determined by research management and senior management (not including investment banking). Analyst compensation is not based on investment banking revenues, however, compensation may relate to the revenues of GENIAL INSTITUTIONAL CCTVM, its affiliates and/or subsidiaries as a whole, of which investment banking, sales and trading are a part. Compensation paid to analysts is the sole responsibility of GENIAL INSTITUTIONAL CCTVM.

The analyst hereby certifies that he (she), or his (her) spouse or companion, does not serve as an officer, director, or advisory board member of the subject company.

The principal analyst is responsible for the content of this report and for meeting the requirements of Securities and Exchange Commission of Brazil (CVM) Instruction 598/2018.

Unless otherwise stated, the individuals listed on the cover page of this report are research analysts.

### 3. ADDITIONAL DISCLOSURE

- (i) This document was prepared by GENIAL INSTITUTIONAL Research and is hereby supplied for the sole purpose of providing information about companies and their securities.
- (ii) The information contained herein is provided for informational purposes only and does not constitute an offer to buy or sell, and should not be construed as a solicitation to acquire, any securities in any jurisdiction. The opinions expressed herein regarding the purchase, sale or holding of securities, or with respect to the weighting of such securities in a real or hypothetical portfolio, are based on careful analysis by the analysts who prepared this report and should not be construed by current or future investors as recommendations for any particular investment decision or action. The investor's final decision should be made considering all of the risks and fees involved. This report is based on information obtained from primary or secondary public sources, or directly from companies, and is combined with estimates and calculations prepared by GENIAL INSTITUTIONAL CCTVM. This report does not purport to be a complete statement of all material facts related to any company, industry, security or market strategy mentioned. The information has been obtained from sources believed to be reliable, but GENIAL INSTITUTIONAL CCTVM does not make any express or implied representation or warranty as to the completeness, reliability or accuracy of such information. The information, opinions, estimates and projections contained in this document are based on current data and are subject to change. Prices and availability of financial instruments are indicative only and subject to change without notice. GENIAL INSTITUTIONAL CCTVM is under no obligation to update or revise this document or to advise of any changes in such data.
- (iii) The securities discussed in this report, as well as the opinions and recommendations contained herein, may not be appropriate for every type of investor. This report does not take into account the investments objectives, financial situation or particular needs of any particular investor. Investors who wish to buy, sell or invest in securities that are covered in this report should seek independent financial advice that takes individual characteristics and needs into consideration, before making any investment decision with respect to the securities in question. Each investor should make independent investment decisions after carefully analyzing the risks, fees and commissions involved. If a financial instrument is denominated in a currency other than an investor's currency, changes in exchange rates may adversely affect the price or value of, or the income derived from the financial instrument, and the reader of this report assumes all foreign exchange risks. Income from financial instruments may vary, and therefore their price or value may rise or fall, either directly or indirectly. The information, opinions and recommendations contained in this report do not constitute and should not be interpreted as a promise or guarantee of a particular return on any investment. Past performance does not necessarily indicate future results, and no representation or warranty, express or implied, is made herein regarding future performance. Therefore, GENIAL INSTITUTIONAL CCTVM, its affiliated companies, and the analysts involved in this report take no responsibility for any direct, indirect or consequential loss resulting from the use of the information contained in this report, and anyone using this report undertakes to irrevocably indemnify GENIAL INSTITUTIONAL CCTVM and its affiliates from any claims and demands.
- (iv) Prices in this report are believed to be reliable as of the date on which this report was issued and are derived from one or more of the following: (i) sources as expressly specified alongside the relevant data; (ii) the quoted price on the main regulated market for the security in question; (iii) other public sources believed to be reliable; or (iv) GENIAL INSTITUTIONAL CCTVM's proprietary data or data available to GENIAL INSTITUTIONAL CCTVM.

- (v) No representation or warranty, either express or implied, is provided in relation to the accuracy, completeness or reliability of the information contained herein, except with respect to information concerning GENIAL INSTITUTIONAL CCTVM, its subsidiaries and affiliates. In all cases, investors should conduct their own investigation and analysis of such information before taking or omitting to take any action in relation to securities or markets that are analyzed in this report.
- (vi)GENIAL INSTITUTIONAL CCTVM makes no representations herein that investors will obtain profits. GENIAL INSTITUTIONAL CCTVM will not share with investors any investment profits nor accept any liability for any investment losses. Investments involve risks and investors should exercise prudence in making their investment decisions. GENIAL INSTITUTIONAL CCTVM accepts no fiduciary duties on behalf of recipients of this report and in communicating this report is not acting in a fiduciary capacity. This report is not to be relied upon in substitution for the exercise of recipient's independent judgment. Opinions, estimates, and projections expressed herein constitute the current judgment of the analyst responsible for the substance of this report as of the date on which the report was issued and are therefore subject to change without notice and may differ or be contrary to opinions expressed by other business areas or groups of GENIAL INSTITUTIONAL CCTVM as a result of using different assumptions and criteria. The information, opinions and recommendations contained in this report do not constitute and should not be interpreted as a promise or guarantee of a particular return on any investment.
- (vii)Because the personal views of analysts may differ from one another, GENIAL INSTITUTIONAL CCTVM, its subsidiaries and affiliates may have issued or may issue reports that are inconsistent with, and/or reach different conclusions from, the information presented herein. Any such opinions, estimates, and projections must not be construed as a representation that the matters referred to therein will occur. Prices and availability of financial instruments are indicative only and subject to change without notice. Income from financial instruments may vary, and therefore their price or value may rise or fall, either directly or indirectly.
- (viii) This document may not be: (a) photocopied or duplicated in any manner, in whole or in part, and/or (b) distributed without GENIAL INSTITUTIONAL CCTVM's prior written consent. GENIAL INSTITUTIONAL CCTVM accepts no liability whatsoever for the actions of third parties in this respect.
- (ix)Neither GENIAL INSTITUTIONAL CCTVM nor any of its affiliates, nor any of their respective directors, employees or agents, accepts any liability for any loss or damage arising out of the use of all or any part of this report.
- (x) GENIAL INSTITUTIONAL CCTVM (or its affiliates, officers, directors or employees) may, to the extent permitted by law, have acted upon or used the information herein contained before the publication of this report and may have a position in securities issued by the companies mentioned herein and may make a market or act as a principal in any transactions in any such securities. Genial Institutional may from time to time perform investment banking or other services to, or solicit investment banking or other business from, the companies mentioned herein.

### 4. IMPORTANT DISCLOSURES FOR U.S. PERSONS

This research report was prepared by Genial Institutional CCTVM, a company authorized to engage in securities activities in Brazil. Genial Institutional CCTVM is not a registered broker-dealer in the United States and, therefore, is not subject to U.S. rules regarding the preparation of research reports and the independence of research analysts. This research report is provided for distribution to "major U.S. institutional investors" in reliance on the exemption from registration provided by Rule 15a-6 of the U.S. Securities Exchange Act of 1934, as amended (the "Exchange Act") and is not being provided pursuant to a soft-dollar arrangement.

Any U.S. recipient of this research report wishing to effect any transaction to buy or sell securities or related financial instruments based on the information provided in this research report should do so only through Auerbach Grayson & Company LLC ("AGCO"), a registered broker dealer in the United States with an office at 20 West 55th Street New York, NY 10019, (212) 453-3523. Under no circumstances should any recipient of this research report effect any transaction to buy or sell securities or related financial instruments through Genial Institutional CCTVM.

If the report is to be distributed to anyone other than Major U.S. Institutional Investors in the United States. AGCO accepts responsibility for the contents of this report as provided for in relevant SEC releases and SEC staff no-action letters.

The analyst whose name appears in this research report is not registered or qualified as a research analyst with the Financial Industry Regulatory Authority ("FINRA") and may not be an associated person at Auerbach Grayson & Company LLC ("AGCO") and, therefore, may not be subject to applicable restrictions under FINRA Rules on communications with a subject company, public appearances and trading securities held by a research analyst account.

The disclosures contained in research reports produced by GENIAL INSTITUTIONAL CCTVM and distributed by Auerbach Grayson & Company LLC ("AGCO") in the U.S. shall be governed by and construed in accordance with U.S. law. This report may not be reproduced or redistributed to any other person, in whole or in part, for any purpose, without the prior written consent of GENIAL INSTITUTIONAL CCTVM. Additional information relative to the financial instruments discussed in this report is available upon request.

### UK Disclaimer:

(i) This document is STRICTLY CONFIDENTIAL to the recipient, may not be distributed to the press or other media and may not be reproduced in any form. this document is directed only at persons who are "INVESTMENT PROFESSIONALS" falling within article 19(5) of the FSMA 2000 (FINANCIAL PROMOTION) ORDER 2005, or HIGH NET WORTH BODIES falling within ARTICLE 49(2) of that order (together THE "RELEVANT PERSONS"). This document must not be acted on or relied on by persons who are not RELEVANT PERSONS.

(ii) The distribution of this document in other jurisdictions may be restricted by law and persons into whose possession this document comes should inform themselves about, and observe, any such restrictions. Any failure to comply with these restrictions may constitute a violation of the laws of any such other jurisdiction.

Copyright 2024 GENIAL GENIAL INSTITUTIONAL CCTVM