

JBS

2Q24 Preview: It's not a short-lived success

LatAm Meatpackers

Main takeaways:

(i) A still challenging scenario for **Beef North America**; (ii) We anticipate solid margins in **JBS USA Pork**; (iii) **PPC**, which has already released its results, showed consistent improvement; (iv) **JBS Australia** is benefiting from increased American imports; (v) **JBS Brazil**: Strong USD/BRL with a positive cattle cycle is margin in the vein; (vi) Completion of dual listing by the end of the year; (vii) **USDA report from October**: We dissected the content and drew our conclusions. A priori, there is an ongoing increase in beef production in the U.S., suggesting that the domestic market may become even more competitive, putting **pressure on JBS USA Beef margins**. The negative cattle cycle is expected to remain until the end of 2026 and **possibly extend into early 2027**. If this forecast materializes, the chances of a **misalignment in the cycle shift between the U.S. and Brazil** increase; (viii) However, as this misalignment is expected to occur later, in the short term, JBS can still enjoy the current scenario, consolidating **good operational results**; (ix) In the short term, we see a very favorable scenario for JBS due to **the more diversified case we have under coverage**, whether by **geographic region** or by **different proteins**. Thus, trading at an **EV/EBITDA 25E of 5.7x** (vs. historical 6.2x), we reiterate our **BUY rating** and **raise our 12M Target Price to R\$40.00** (vs. R\$35.00 previously), reflecting an **upside of +19.44%**.

JBS will report its **2Q24 results on August 13**, and in this report, we will present our expectations for the company's figures. Once again, we project a **sequentially higher profitability quarter**. We project an **expansion of the consolidated EBITDA margin to 8.2% Genial Est.** (+0.96p.p. q/q; +3.17p.p. y/y). On the **positive side**, we expect to see favorable dynamics in most of the company's segments, **mainly PPC, Seara, and USA Pork**. However, on the **negative side**, we still see a very challenging scenario for **JBS Beef North America**, with the unfavorable cattle cycle strongly pressuring margins.

In 2Q24, we estimate total **net revenue of R\$98.1bn Genial Est.** (+10.1% q/q; +9.8% y/y). We project an **EBITDA of R\$8.0bn Genial Est.**, with an increase of +24.7% q/q and +79.4% y/y, representing an expansion of +3.17p.p. y/y in the **EBITDA margin**, which should therefore reach **8.2%**. Finally, for **net income**, we estimate in our model a figure of **R\$2.2bn Genial Est.**, reflecting an expansion of +0.25p.p q/q in the net margin (2.3% vs. 2.0% in 1Q24).

Analysts

Igor Guedes

+55 (11) 3206-8248
igor.guedes@genial.com.vc

Rafael Chamadoira

+55 (11) 3206-8246
rafael.chamadoira@genial.com.vc

Iago Souza

+55 (11) 3206-8245
iago.souza@genial.com.vc

Company

JBSS3 BZ Equity

Buy

Price: R\$ 33.49 (12-Aug-2024)

Target Price 12M: R\$ 40.00

Valuation and rating. The scenario for the **JBS USA Beef** segment remains under pressure in 2Q24, with JBS facing difficulties due to the **unfavorable cattle cycle and a demand below expectations** during the beginning of the quarter, which should have been boosted by the start of the **barbecue season**. Despite the company's initiatives, such as the White Bone program and efforts in cost reductions, the **EBITDA margin** for this segment is expected to remain low, **close to breakeven**, with a projection of just 0.2% Genial Est., representing a nominal EBITDA of R\$45mn Genial Est. (vs. -R\$49mn in 1Q24 and +R\$433mn in 2Q23). The migration of US consumers to cheaper proteins such as chicken and pork (the so-called **trade down**) in an attempt to escape inflation and the lower economic activity also adds a complexity factor to the Beef segment's performance, keeping the **challenging environment** with figures that should remain sluggish for some time.

In **Brazil**, the scenario is more favorable for JBS, with the **positive cattle cycle** and the **high USD/BRL exchange rate boosting margins**, especially in the Friboi division, which has **50% of its production focused on exports**. The resumption of exports to China and the accreditation of new plants contributed to an expectation of increased EBITDA margins, which should be in the mid to high single digits, with a projection of R\$811mn Genial Est. (+261% q/q; +200% y/y). The **(i)** diversification of operations through different proteins **(ii)** especially through Seara with the momentum in chicken, and **(iii)** the appreciating FX rate are factors that should mitigate the challenges faced in other segments (leather and Swift stores), supporting a solid performance in 2Q24.

According to our analysis of the **USDA's August report** released yesterday, we understand that the **negative cattle cycle in the U.S.** could extend until the end of 2026, **potentially prolonging until 2027**, which implies a long-term challenge for JBS USA Beef. On the other hand, the **decline in grain prices** (soybeans and corn) should continue to **benefit the margins of PPC, JBS USA Pork, and Seara exports** (with reduced risk from Newcastle disease), all divisions that have already shown good margins since the last quarter. **JBS Brazil**, on the other hand, continues to take advantage of the **positive cattle cycle**, but the forecast of a **misalignment between the cattle cycles in the U.S. and Brazil in the future** (around 2026) could create a challenging environment for the company in the long term.

However, as this **misalignment is expected to occur later**, in the short term, JBS can still enjoy the current scenario, consolidating **good operational results**. Since we know that the coverage of the meatpacking sector has a commodity nature and that investors linked to essentially cyclical theses usually focus more on the short term, we see a very favorable scenario for **JBS due to the more diversified case we have under coverage**, whether by **geographic region or by different proteins**. Thus, trading at an **EV/EBITDA 25E of 5.7x** (vs. historical 6.2x), we reiterate our **BUY rating** and raise our **12M Target Price to R\$40.00** (vs. R\$35.00 previously), reflecting an **upside of +19.44%**.

2Q24 Preview

Table 1. Income Statement JBS (2Q24 Genial Est.)

(R\$ Millions)	2Q24E	1Q24	% q/q	1Q24	% y/y
	Genial Est.	Reported		Reported	
Net Revenue	98.124	89.147	10,1%	89.383	9,8%
COGS	(84.495)	(77.466)	9,1%	(79.495)	6,3%
Adjusted EBITDA	8.017	6.429	24,7%	4.470	79,4%
EBITDA Margin (%)	8,2%	7,2%	0,96p.p	5,0%	3,17p.p
EBIT	5.116	3.548	44,2%	1.540	232,3%
EBIT Margin (%)	5,2%	4,0%	1,23p.p	1,7%	3,49p.p
D&A	2.901	2.881	0,7%	2.930	-1,0%
Financial Result	(1.731)	(1.727)	0,2%	(1.668)	3,8%
Net Income	2.234	1.807	23,6%	(198)	-
Net Margin (%)	2,3%	2,0%	0,25p.p	-0,2%	2,5p.p

Source: JBS, Genial Investimentos

Still a challenging scenario for Beef in North America. The scenario for JBS USA Beef remains tough for meatpackers. Although the 2Q normally benefits from the positive seasonality of the barbecue season, demand at the beginning of 2Q24 (April and May) fell short of expectations, with some recovery only in June. The prospect of an improvement in the EBITDA margin is limited due to the continued unfavorable cattle cycle, which has not shown significant relief from one quarter to the next. Therefore, we expect the EBITDA margin to remain in the low single digits or even close to breakeven, with no significant advances compared to 1Q24. We estimate a margin of 0.2% and a nominal EBITDA of R\$45mn Genial Est. (vs. -R\$49mn in 1Q24 and +R\$433mn in 2Q23).

What is being done to mitigate? It is important to highlight the initiatives that JBS has undertaken, such as the White Bone program and cost reductions, which may offer some support to profitability. Still, the combination of a not-so-robust seasonal demand as expected and the tight cycle suggests that 2Q24 results should remain flat, with a balance between positive and negative factors. Moreover, we are witnessing the trade down of proteins, that is, a migration of demand in the U.S. to cheaper proteins like chicken and pork, which could further affect the Beef segment's performance in the short term. In summary, the scenario continues to reflect unimpressive numbers, with an expectation of stable performance and no major surprises in 2Q24. On the other hand, we understand that the great competitive advantage of the investment thesis in JBS is the diversification of both proteins and geographies. Therefore, the trade down is beneficial for the consolidated result since other business divisions, such as PPC and USA Pork.

We expect solid margins in JBS USA Pork with EBITDA expansion. We expect JBS USA Pork to maintain solid figures in 2Q24, with EBITDA margin reaching 10%. The demand for pork should continue to be favored by the trade down, with consumers opting for more affordable proteins, which should sustain margins in the quarter at satisfactory levels. Additionally, the barbecue season brings a positive seasonal boost to demand, and the decline in grain prices continues to benefit the segment. Thus, JBS USA Pork should present robust performance, driving EBITDA to R\$1.0bn Genial Est. (+66.9% q/q; +165.3% y/y).

PPC, which has already released its results, showed consistent improvement. Pilgrim's Pride Corporation (PPC), JBS's subsidiary for chicken meat sales focused on North America, reported solid results in 2Q24, with net sales of US\$4.6bn, representing an increase of +5.8% y/y. The company recorded an operating profit of US\$440.8mn and net income of US\$326.5mn, driven by improved operating margins and production efficiencies. The U.S. division stood out with improvements in operational efficiency and lower input costs, while Europe showed significant growth in adjusted EBITDA, reflecting optimization in the relationship with key customers. We project going forward a sequential expansion of margins for the segment enabled by **(i)** a more balanced global supply in chicken; **(ii)** strong demand, and **(iii)** low grain prices (soybeans and corn) benefiting PPC on the cost side. Thus, we should see the operation delivering an EBITDA margin in the high single digits and potentially low double digits.

JBS Australia riding on increased US imports. For 2Q24, we expect JBS Australia to continue performing well, with EBITDA margin remaining at high levels, driven by a favorable cattle cycle and strong international demand. We note that U.S. beef imports from Australia increased significantly, strengthening the operation. Furthermore, the company is investing in an initiative to transfer skilled labor from Brazil to Australia, which could enhance efficiency and add value to cuts, although this process is gradual due to language barriers. For 2Q24, we calculate EBITDA at R\$842mn Genial Est. (+37.1% q/q; +18.5% y/y).

JBS Brazil: Strong USD/BRL with a positive cycle is margin in the vein. We expect JBS Brazil to continue benefiting from the positive cattle cycle, which will bolster the foundations of the Friboi division's EBITDA margin. Furthermore, the business unit is composed 80% of Friboi, which is exposed 50% to exports. With the strong appreciation of the USD/BRL exchange rate during 2Q24 and the resumption of exports to China after the accreditation of 10 new plants, the segment should see an increase in margins that historically grow between +200-300bps from 1Q to 2Q. Additionally, we are witnessing a slight recovery in the automotive sector, which favors higher demand for leather, one of the side businesses of the Brazil division that was previously reducing Friboi's good performance margin.

Therefore, we expect JBS Brazil's EBITDA margin to remain in the mid-single digits, with potential to reach high single digits if Chinese demand for beef exceeds expectations. For now, we are working with the premise of a reduction in y/y shipments to China in 2H24.

The diversification of operations and the favorable environment in the USD/BRL exchange rate composition should help mitigate the challenges in less profitable segments (leather and Swift stores), supporting solid performance in 2Q24. We project EBITDA of R\$811mn Genial Est. (+261% q/q; +200% y/y).

Seara: it's not a short-lived success. For 2Q24, Seara should continue to perform solidly, benefiting from a very positive scenario for the chicken segment, both for domestic consumption and for the export market. With lower grain costs and strong demand, as well as the global normalization of poultry supply, the spread is quite robust and continues to gain traction sequentially. The EBITDA margin should remain strong, reflecting the good momentum. Our model points to EBITDA of R\$1.4bn Genial Est. (+19.1% q/q; +238.2% y/y).

Our Take on JBS

Completion of dual listing by the end of the year. We foresee that the process of dual listing JBS shares will only be completed by the end of 2H24. Although the company is facing lawsuits in the U.S. related to greenwashing allegations, which we see more as noise than a substantial problem, these cases may generate additional questions from the Securities Exchange Commission (SEC), possibly delaying the listing of the shares in the U.S. Conversely, in conversations we had with the company, their version of the facts is that the process is quite bureaucratic and is a replica/rebuttal process in sending documents to the SEC until there are no further comments. Recently, the company issued the 20-F report as well as F-4, which can be seen as progress towards the SEC's authorization for the primary listing of shares on the NYSE.

August USDA: Protein trade down intensifies. The USDA report released yesterday, August 12, points to trends that may impact JBS's operations in a mixed way in the coming quarters. The continued decline in grain costs should **benefit the margins of PPC, JBS USA Pork, and Seara exports** (with reduced risk of Newcastle disease), maintaining the competitiveness of these segments throughout the year. However, the forecast of an increase in beef production in the U.S. suggests that the domestic market may become even more competitive, putting **pressure on JBS USA Beef margins**, which will have to face this challenge with operational efficiency to preserve profitability.

On the other hand, the strong projected demand for the chicken market, both domestically and in exports, indicates that **Seara will continue to be in an advantageous position**, taking lead position in the poultry market momentum. These factors should be reflected in continued solid results for Seara and JBS USA Pork, while JBS USA Beef may face a more challenging environment, requiring strategic adjustments to mitigate the impacts of increased supply in the American market.

Risk of cycle mismatch at 26/27. The market outlook is for a possible extension of the negative cycle in the US until 2026, which could last until the beginning of 2027. If this does happen, the chances are increasing that there will be a cycle mismatch between the US and Brazil, which could harm the theses of JBS (to a greater extent) and Minerva (to a lesser extent). Now, we're looking at a stronger possibility of a **mismatch** of time windows in the **cycle reversal**, and both regions being faced with negative cattle cycles at the same time. If this really happens, we could see global beef spreads under more pressure, due to the reduction in the supply of cattle, especially females, impacting reproduction and the future supply of calves.

It's not a short-lived success. However, as this misalignment is expected to occur later, in the short term, JBS can still enjoy the current scenario, consolidating good operational results. Since we know that the coverage of the meatpacking sector has a commodity nature and that investors linked to essentially cyclical theses usually focus more on the short term, we see a **very favorable scenario for JBS** due to the **more diversified case we have under coverage**, whether by **geographic region** or by **different proteins**. Thus, trading at an **EV/EBITDA 25E** of **5.7x** (vs. historical 6.2x), we reiterate our **BUY rating** and **raise** our **12M Target Price** to **R\$40.00** (vs. R\$35.00 previously), reflecting an **upside** of **+19.44%**.

Appendix: JBS

Figure 1. JBS – Income Statement in R\$ Millions (Genial Est. 2024-2028)

Income Statement	2024E	2025E	2026E	2027E	2028E
Net Revenue	364.480	384.310	443.792	451.498	468.352
(-) COGS	(316.631)	(331.783)	(381.843)	(381.399)	(385.844)
Gross Profit	47.849	52.527	61.949	70.100	82.508
(-) Expenses	(28.158)	(32.328)	(39.534)	(43.696)	(44.230)
Adjusted EBITDA	19.691	20.199	22.415	26.404	38.278
(-) D&A	(10.007)	(8.005)	(6.754)	(2.502)	(2.502)
EBIT	9.685	12.194	15.660	23.902	35.776
(+/-) Financial Result	(4.917)	(4.858)	(2.864)	(2.916)	(2.893)
(-) Taxes	(1.621)	(2.494)	(4.351)	(7.135)	(11.180)
Net income	3.147	4.842	8.445	13.851	21.703
Profitability					
Net margin (%)	0,86%	1,26%	1,90%	3,07%	4,63%

Figure 2. JBS – Cash Flow in R\$ Millions (Genial Est. 2024-2028)

Cash Flow (FCFF)	2024E	2025E	2026E	2027E	2028E
Net Revenue	364.480	384.310	443.792	451.498	468.352
(-) COGS	(316.631)	(331.783)	(381.843)	(381.399)	(385.844)
Adjusted EBITDA	19.691	20.199	22.415	26.404	38.278
EBIT	9.685	12.194	15.660	23.902	35.776
(-) Taxes	(1.621)	(2.494)	(4.351)	(7.135)	(11.180)
(+) D&A	10.007	8.005	6.754	2.502	2.502
(+/-) Δ WK	(1)	(4.655)	(2.757)	(385)	(829)
(-) Capex	(10.007)	(8.005)	(6.754)	(2.502)	(2.502)
FCFF	8.062	5.045	8.553	16.382	23.767

Disclosure Section

1. GENERAL DISCLAIMER

This report has been produced by the research department (“Genial Institucional Research”) of Genial Institucional Corretora de Câmbio, Títulos e Valores Mobiliários S.A. (“GENIAL INSTITUTIONAL CCTVM”). Genial Institucional 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

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.

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 Institucional 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 Institucional CCTVM, a company authorized to engage in securities activities in Brazil. Genial Institucional 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 Brasil Plural Securities LLC, a registered broker dealer in the United States with an office at 545 Madison Ave., New York, NY 10022, (212) 897-3737. Under no circumstances should any recipient of this research report effect any transaction to buy or sell securities or related financial instruments through Genial Institucional CCTVM.

Brasil Plural Securities LLC accepts responsibility for the contents of this research report, subject to the terms set out below, to the extent that it is delivered to a U.S. person other than a major U.S. institutional investor.

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 of Brasil Plural Securities LLC 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 Brasil Plural Securities LLC 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 2023 GENIAL GENIAL INSTITUTIONAL CCTVM