

MINERVA

1Q25 Review: Upward revision, but no cause for euphoria

LatAm Meatpackers

Main takeaways:

(i) Net revenue of R\$11.2bn (-0.8% vs. Genial Est.; +4.5% q/q; +55.8% y/y). Slaughter volume grew to **1.4 million head** (+2.2% vs. Genial Est.; +20.4% q/q), with an increase of +38.7% y/y, while the volume sold totaled 415Kt (-2.4% vs. Genial Est.; +1.2% q/q); (ii) COGS/kg reached R\$22/kg (+4.8% vs. Genial Est.; +5.0% q/q; +32.2% y/y), pressured by the price of cattle at R\$318.4/aroba (US\$3.6/kg), which remains stable q/q, but accumulates +33% in 6M; (iii) EBITDA was R\$963mn (+1.6% vs. Genial Est.; +5.8% q/q; +53.0% y/y), with a **margin of 8.6%** (+0.2 p.p. vs.)Genial Est.; -0.2 p.p. y/y); (iv) Net income of R\$185mn (-61.8% vs. Genial Est.), with a **net margin of 1.7%** (-2.6 p.p. vs. Genial Est.), still affected by financial pressures; (v) FCF with a burn of -R\$514mn (vs. +R\$400mn Genial Est.), reversing generation of ~R\$2bn in the last three quarters. Cash consumption was pressured by working capital (-R\$145mn) and CAPEX of R\$231mn (+12.5% vs. Est.); (vi) Net Debt ended the quarter at **R\$15.6bn**, stable q/q, with leverage measured by us at **4.6x Net Debt /EBITDA** (-0.4x q/q). The company reports 3.7x including Proforma EBITDA from MSA assets (7M), but we continue to disregard this metric as it does not reflect actual LTM generation; (vii) Guidance for 25E revenue raised to R\$50-R\$58bn, well above Genial Est.'s R\$47bn. The update reflects higher utilization rates at the **new plants** (55% vs. 48% Genial Est.). We have adjusted our projection to the lower end of the range, implying a +6% revision in the estimate; (viii) The projection for the price of cattle arroba in 3Q25E is R\$330 (+4.7% vs. the current level of R\$315), supported by the retention of females, a more humid climate, and the recovery of pastures. The lower supply in 2H25 tends to keep prices firm, but does not necessarily improve margins, given the still high cost per arroba; (ix) We raised our 12M Target Price to R\$6.00 (vs. R\$5.20 previously), implying an upside of +7.3%, which represents an **upgrade** to **NEUTRAL rating** (vs. Sell previously).

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 iago.souza@genial.com.vc

Company

BEEF3 BZ Equity

Neutral

Price: R\$ 5.59 (07-May-2025) **Target Price 12M:** R\$ 6.00

Table 1. Income Statement Minerva (1Q25 vs. Genial Est.)

	1Q25	1Q25E		4Q24		1Q24	
(R\$ millions)	Reported	Genial Est.	% R/E	Reported	% q/q	Reported	% y/y
Net Revenue	11.196	11.288	-0,8%	10.714	4,5%	7.187	55,8%
COGS	(9.121)	(9.444)	-3,4%	(8.580)	6,3%	(5.758)	58,4%
Adjusted EBITDA	963	947	1,6%	910	5,8%	629	53,0%
EBITDA Margin (%)	8,6%	8,4%	0,2p.p	8,5%	0,1p.p	8,8%	-0,2p.p
EBIT	720	729	-1,3%	708	1,7%	477	51,1%
EBIT Margin (%)	6,4%	6,5%	0p.p	6,6%	-0,2p.p	6,6%	-0,2p.p
D&A	(242)	(218)	11,3%	(202)	19,9%	(152)	59,0%
Financial Result	(508)	(38)	1241,4%	(2.248)	-77,4%	(626)	-18,9%
Net Income	185	484	-61,8%	(1.567)	-	(186)	-
Net Margin (%)	1,7%	4,3%	-2,6p.p	-14,6%	-	-2,6%	-

Source: Minerva, Genial Investimentos



Minerva released its 1Q25 results yesterday, May 7, after the market closed. The company reported Net Revenue of R\$11.2bn (-0.8% vs. Genial Est.), with COGS/kg accelerating to R\$22/kg (+4.8% vs. Genial Est.; +5.0% q/q), which in turn should have compromised EBITDA, but due to lower SG&A vs. Genial Est., adjusted EBITDA totaled R\$963mm (+1.6% vs. Genial Est.), rising +5.8% q/q and +53.0% y/y, reaching a margin of 8.6% (+0.2 p.p. vs. Genial Est.), representing an increase of +0.1p.p. q/q and -0.2p. p. y/y.

The bottom line fell short of expectations, with **Net income** clocking in at **R\$185mn** (-61% vs. Genial Est.), mainly under pressured by the negative financial result of **R\$508mn** (+12x vs. Genial Est.), explained by other net expenses of **-R\$729mn**, which reversed the positive effects recorded in 4Q24. Despite the non-cash gain from the FX rate variation on debt (+R\$843mn vs. -R\$1.8bn in 4Q24), the adverse impact was dominant. Minerva disclosed **new guidance** for **Net Revenue** of **R\$50-R\$58bn** for **2025**, **well above us and the street** (R\$47bn Genial Est. and R\$48bn for BBG consensus). We explore this topic further down.

On the **negative side**, **FCF** came in with **burn** of **-R\$514mn** (vs. +R\$400mn Genial Est.), reversing three consecutive quarters of positive generation (~R\$2.0bn totaled in Mar-Dec 2024), pressured by: (i) negative working capital (WC) of **-R\$145mn** (vs. +R\$692m in 4Q24), mainly due to higher beef inventories in the US (~R\$700mn), linked to the early shipment of products to mitigate tariff effects (explained in more detail throughout the report); (ii) high **CAPEX** of **R\$231mn** (+12.5% vs. Genial Est.); and (iii) cash impact from net financial income of **-R\$1.1bn** (+49% vs. Genial Est.). As for **leverage**, the company reported **3.7x**, considering **MSA's proforma EBITDA** (7M vs. 10M in 4Q24), but we believe **this metric is inconsistent**, as it does not reflect actual LTM operating generation. Given this, the **leverage calculated by us**, measured by **Net Debt/EBITDA**, closed at **4.6x** (-0.4x vs. 4Q24), driven by the reduction in gross debt to R\$27.5bn (-8.7% q/q), in line with our expectations.

1Q25 Review: In detail!

Slaughter volume grows strongly, with exports reconfigured due to asset licensing. The company's consolidated slaughter volume totaled 1.4 million heads (+2.2% vs. Genial Est.), with growth of +20.4% q/q and +38.7% y/y, due to the consolidation of assets from Marfrig plants. The company's sales volume reached 415Kt (-2.4% vs. Genial Est.), up +1.2% q/q and +19.8% y/y. The highlight was the domestic market, which reached 201Kt (+7.5% q/q; +40.3% y/y), to the detriment of the foreign market, which reached 214Kt (-4.0% q/q; +5.4% y/y). Both annual comparisons were inflated due to the incorporation of new assets from the deal, which in this quarter added +79Kt to 1Q25 vs. 1Q24. The domestic price fell to R\$26.4/kg (-7.7% q/q), while the foreign price rose to US\$5.3/kg (+13.1% q/q).

We draw attention to the reconfiguration of the portfolio by geographic region, justified by the increased relevance of the domestic market, which reached a 44.4% share vs. 42.8% in 1Q25LTM, to the detriment of the relatively low prominence of the foreign market.



We believe this is justified by the fact that the new slaughter plants are in the process of obtaining licenses to be authorized to export, which is also redirecting its focus towards NAFTA (30% vs. 12% in 1Q24LTM) vis-à-vis the decoupling related to dependence on the Asian market (26% vs. 37% in 1Q24LTM), the Russian market (13% vs. 7% 1Q24LTM) and South America (19% vs. 13% 1Q24LTM).

EBITDA rose sequentially, even with COGS/kg expanding. The company's COGS/kg reached R\$22/kg (+4.8% vs. Genial Est.), above our expectations and representing an increase of +5.0% q/q and +32.2% y/y. Cattle acquisition represents ~85% of total COGS. The sequential increase seems to have been penalized by other charges, since the average cattle acquisition price stood at R\$318.4/arroba (US\$3.6/kg) in Brazil. Although it remained basically flat on a quarterly basis, cattle acquisition costs still represent a sharp increase of +33% in 6M. Therefore, in line with our previous outlook given the current cycle reversal that began in 4Q24, we had already widely anticipated year-on-year margin pressure in 1Q25, given the acceleration in the staggering of slaughter in the quarter, with Brazil reaching ~7 million heads slaughtered (+4% q/q; +1% y/y), already rising from a very high base.

Even though the cutout rose by $\pm 2.5\%$ q/q, reaching R\$28.9/kg (~US\$5.0/kg) when the price per arroba remained flat in the quarter, beef prices still accumulated a $\pm 17\%$ increase in 6M, almost 2x less than the acceleration in cattle acquisition costs over the same time frame. Therefore, when added to the effects of SG&A expenses, which totaled R\$1.4bn ($\pm 15\%$ vs. Genial Est.), EBITDA totaled R\$963mn ($\pm 1.6\%$ vs. Genial Est.), still with an increase of $\pm 5.8\%$ q/q and $\pm 53.0\%$ y/y and a margin reaching 8.6% ($\pm 1.2\%$ p.p. vs. Genial Est.), with an annual increase of $\pm 1.2\%$ p.p. q/q and a decline of $\pm 1.2\%$ p.p. y/y.

Net Income below estimates. Net income stood at R\$185mn (-61.8% vs. Genial Est.), reflecting the impact of negative financial results of -R\$508mn (+12x vs. Genial Est.), which was influenced by other expenses (-R\$729mn), reversing other net revenues from 4Q24 and 1Q24, more than offsetting the non-cash effect of the exchange rate variation on debt, which reached +R\$843mn vs. -R\$1.8bn in 4Q24 due to the detraction of the USD/BRL EoP FX rate (5.74 vs. 6.19 in 4Q24).

Our Take on Minerva

Strong FCF burn, pressured by WC and CAPEX. The company reported FCF burn of -R\$514mn (vs. +R\$400mn Genial Est.), reversing the recurring positive impact of the last three quarters combined (R\$2.0bn) and representing a setback to the company's cash flow generation discipline. According to our analysis, the result was hurt by (i) a more intense requirement for working capital (WC), reaching a pressure of -R\$145mn (+5.2% vs. Genial Est.), vs. a release of +R\$692mn in 4Q24. In addition to one of the MSA asset plants demanding more WC than initially expected, we believe that the tightening is also justified by the increase in beef inventories in the US. We found that the company slaughtered a considerable volume of cattle and transferred meat in advance to facilities in the US to mitigate risks from additional tariffs on Brazilian exports, in the context of trade tensions created by the Trump administration — the extra quota tax rose to 36% vs. 26% previously.



The financial amount resulting from this situation reaches ~R\$700mn, stretching the inventory account without a counterpart in sales yet. In addition, we observed (ii) high **CAPEX** expenditure, reaching **R\$231mn** (+12.5% vs. Genial Est.), up +4.8% q/q and +31% y/y. Finally, we also highlight (iii) the cash impact derived from the net financial result, which closed at -R\$1.1bn (+49% vs. Genial Est.). These factors ended up offsetting the EBITDA gain (+1.6% vs. Genial Est.).

Even with FCF burn, the calculated leverage falls, but still remains very high. The company's net debt ended 1Q25 at R\$15.6bn (-0.2% q/q; +73.3% y/y), reflecting the offsetting effect between the reversal of the FX rate variation due to the slowdown in the USD vs. BRL, which in turn generated a reduction of -R\$1.0bn on debts issued in USD – which today represent 71% of the total pool vs. 76% in 4Q24, reflecting a partial loss of dependence on FX rate fluctuations –, added to the net change in debt — funding of +R\$700mn (-) amortization of -R\$2.8bn —, which totaled a cash flow reduction of -R\$2.1bn, representing ~80% of the effective cash flow burn of -R\$2.6bn. As a result, our calculated leverage, measured by Net Debt/EBITDA, closed at 4.6x (-0.4x vs. 4Q24), driven by the reduction in gross debt to R\$27.5bn (-8.7% q/q), in line with our expectations.

However, as we have already stated in other reports, **our calculation differs from that presented by Minerva** in its releases. The company indicates that **leverage stood** at **3.7x Net Debt/EBITDA** (flat vs. 4Q24). The difference lies in the addition of **Proforma EBITDA** from the **new MSA assets** within the LTM base, estimated at **+R\$788mn** (vs. R\$1.1bn in 10M in 4Q24). As the company only began operating the assets acquired from Marfrig in November, we do not believe that the remaining months of 2024 (Jan-Oct) should be included in the LTM EBITDA calculation for leverage purposes. As 3M have passed since 4Q24, the amount was reduced in the company's LTM calculation to incorporate 7M (vs. 10M previously). Therefore, it is worth noting that we continue to reiterate that **we do not recommend that this 3.7x leverage be effectively considered by investors** — although it makes sense from a potential EBITDA perspective. The fact is that these assets did not generate EBITDA between May and October for Minerva, since until then, the assets were held by Marfrig.

New revenue guidance for 2025 shows that the market had been underestimating. The company reported guidance for 2025E net revenue of R\$50-R\$58bn, which is substantially above our projection of R\$47bn Genial Est. and the BBG consensus of R\$48bn (-4.2% vs. the lower end of the guidance range). This situation seems to demonstrate a misaligned approach by most sell-side firms (including us) compared to the visibility the company has on its own performance. For management, the main source of this divergence lies in sales pricing: the seasonal decline observed in 1Q25 was lower than the historical average, while export price bulletins — widely used as an external reference — show lags that tend to underestimate the actual price levels obtained by Minerva. In addition, there is still low external visibility on the operating performance of the recently acquired plants and their degree of integration into the consolidated balance sheet. It was revealed yesterday (May 7) in an interview with management to a reputable media outlet that at the end of 1Q25, the new slaughter plants operated at an average of 55% of their installed capacity (vs. 48% Genial Est.).



We understand that the full achievement of these targets will depend on the effective materialization of the assumptions and the progression of the domestic and international markets in which the company operates. In advance, based on information about the actual average capacity at which these plants are already operating, we have raised our revenue forecast to align with the lower end of the guidance (+6% vs. previous Est.).

Cattle arroba prices tend to accelerate in 2H25. As we analyze market situation, we believe it is reasonable to infer that, after sustaining a still intense slaughter pace in 1Q25, reaching 7 million head (+1.0% y/y) with ~49 % of females in the slaughter mix, this strategy will begin to show signs of exhaustion in 2H25, generating a turning point in the cattle supply of available for slaughter. We believe it is likely that there will be (i) a reduction in the supply available for slaughter due to a slowdown in the number of females being scheduled. This would imply a reduction of -3.0% y/y Genial Est. in total annual slaughter – to 38 million heads – with this slowdown concentrated in 3Q24E. We believe that, as there will be a drop in the supply available for slaughter due to the retention of females by producers, this tends to support higher price levels for the cattle arroba (R\$330/arroba in 3Q25E vs. R\$315/arroba currently), while encouraging the adjustment of replacement tactics.

It is also worth considering that (ii) the **favorable climate** (more rain volume in 2025 vs. last year) and (iii) the recovery of pastures should induce the retention of females for reproduction, gradually reducing the volume of animals available for slaughter. This move aims to promote a **tighter supply environment**, suggesting that ranchers reinforce labor on breeding stock in the hottest months and then focus on rebuilding the herd when female slaughter approaches the sustainable limit. In summary, we believe it is likely to wait until **2H25** for a **transition from intensive slaughter to balanced management** vis-à-vis the gradual depletion of the female stock in the market; the accommodation of prices at firm levels, and the adoption of retention policies, paving the way for a **more solid cycle of lower prices per arroba** only **from 2027E** onwards.

Upward revision, but no cause for euphoria. We have adjusted the model for higher revenue due to positive information regarding the average utilization rate of new assets, which are operating slightly above our expectations. However, even with the increase in revenue, we are still projecting a **+4.7% increase in the cattle arroba prices for 3Q25** vs. the current level. Given this, we do not see any major signs of margin expansion for 2025, even though we have adjusted our assumptions. Therefore, due to the materialization of our sell recommendation call on the stock, considering that since we downgraded the company, the shares have deepened **-13.2%** in **30 days**, we believe that the market valuation is **beginning to converge towards the fair price** (still elevated leverage + fundamentals softening), proving that we were right moving down the rating at the time of follow on announcement. Notably, given a **slight improvement in projected net revenue** (+6% vs. Previous Est.), we **raised** our **12M Target Price** to **R\$6.00** (vs. R\$5.20 previously), implying an **upside** of **+7.3%**, which represents now an **upgrade** to **NEUTRAL rating** (vs. Sell previously).



Appendix: Minerva

Figure 1. Minerva - Income Statement in R\$ Millions (Genial Est. 25-28)

Income Statement	2025E	2026E	2027E	2028E
Net Revenue	49.900	52.331	54.162	56.058
(-) COGS	(40.129)	(41.921)	(43.284)	(44.690)
Gross Profit	9.771	10.410	10.878	11.368
(-) Expenses	(5.061)	(5.360)	(5.550)	(5.747)
Adjusted EBITDA	4.710	5.050	5.328	5.621
(-) D&A	(962)	(1.009)	(1.044)	(1.080)
EBIT	3.749	4.042	4.183	4.413
(+/-) Financial Result	(2.756)	(2.534)	(2.539)	(2.577)
(-) Taxes	(298)	(422)	(428)	(435)
Net income	694	1.086	1.216	1.401
Profitability				
Net margin (%)	1,4%	2,1%	2,2%	2,5%

Figure 2. Minerva- Cash Flow in R\$ Millions (Genial Est. 25-28)

Cash Flow (FCFF)	2025E	2026E	2027E	2028E
Net Revenue	49.900	52.331	54.162	56.058
(-) COGS	(40.129)	(41.921)	(43.284)	(44.690)
Adjusted EBITDA	4.710	5.050	5.328	5.621
EBIT	3.749	4.042	4.183	4.413
(-) Taxes	(298)	(422)	(428)	(435)
(+) D&A	962	1.009	1.044	1.080
(+/-) ∆ WK	(1.380)	109	(165)	(167)
(-) Capex	(873)	(1.047)	(1.041)	(1.036)
FCFF	2.160	3.691	3.592	3.855



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

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 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 INSTITUTIONAL CCTVM