
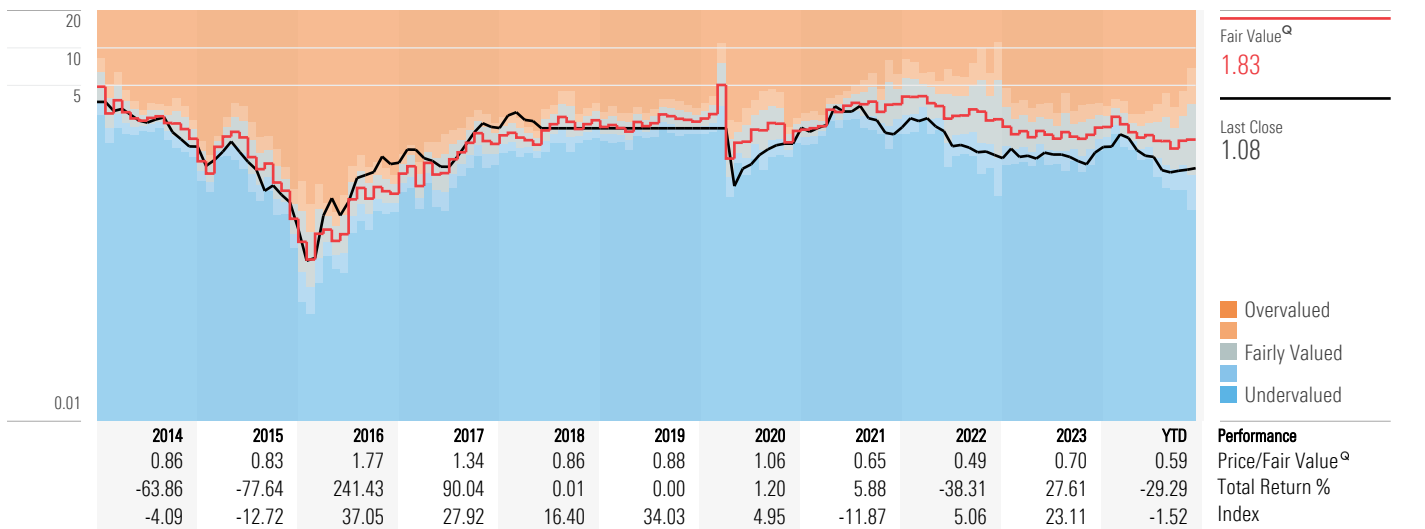


Usinas Siderurgicas de Minas Gerais SA Pfd Shs -A- XUSI ★★★ 6 Nov 2024 23:38, UTC

Economic Moat ^Q	Uncertainty ^Q	Price/Fair Value ^Q	ESG Risk Rating Assessment ¹	Trailing Dividend Yield %	Market Cap	Investment Style	Sector	Industry
None	Extreme	0.59	 2 Oct 2024 05:00, UTC	4.51	—	Small Value	Basic Materials	Steel



As of 06 Nov 2024 | Index: Morningstar Brazil GR BRL. Fair Value data as of 6 Nov 2024 00:00, UTC.

¹The ESG Risk Rating Assessment is a representation of Sustainalytics' ESG Risk Rating. Lee Davidson, Chief Analytics Officer for Morningstar, Inc, oversees the methodology that supports Quantitative Fair Value Estimates and Quantitative Star Ratings. Mr. Davidson is guided by the Morningstar, Inc. Code of Ethics in carrying out his responsibilities. For information regarding Conflicts of Interests, visit <http://global.morningstar.com/equitydisclosures>.

Key Metrics as of 5 Nov 2024

Metrics		Percentile in Sector
Earnings Yield (%)	10.8	92.0
Sales Yield (%)	324.1	92.0
Book Value Yield (%)	295.3	94.0
Return on Assets (%)*	2.3	70.0
Revenue(Bil)*	4.5	89.0
Market Value (Bil)	1.4	80.0
Enterprise Value (Bil)	1.6	80.0
EV/MV Ratio	1.2	72.0
Volatility TTM (%)	38.7	38.0
Drawdown TTM (%)	47.9	63.0
Volume (Mil)	13.3	95.0

*30 Sep 2024

Business Description

Usinas Siderurgicas de Minas Gerais SA is a Brazil-based company engaged in producing and distributing flat steel products. The company's product portfolio comprises ordinary heavy plates, Sincron series premium heavy plates, hot strips, cold-rolled, and galvanized products. These products are used in automotive, civil construction, railway, electric, white goods, offshore platforms, and agricultural and construction machinery. The Brazilian domestic market represents the majority of the company's sales, while the United States, Argentina, and Turkey are the export destination markets for the company.

Valuation ^Q as of 7 Nov 2024

Morningstar maintains a 3-star quantitative star rating for Usinas Siderurgicas, derived from the firm's valuation and uncertainty scores. The company's shares last closed at 1.08, below our quantitative fair value estimate of 1.83. These shares have traded between a 46.84% and 22.19% discount to their fair value estimate over the past year. In Morningstar's equity coverage universe for this methodology, the company's valuation rating lands at the 25th percentile; in the basic materials sector, the firm's score lies at the 46th percentile. Furthermore, Usinas Siderurgicas maintains a quantitative valuation uncertainty rating of Extreme.

The company has held this star rating since the previous rating of 4, which was last assigned on 11/05/2024. The uncertainty rating for Usinas Siderurgicas has remained Extreme since the previous rating of Very High, which was last assigned on 10/23/2024.

The key factors behind these ratings are the company's earnings yield and book value yield. The earnings yield is 10.66%, and its maximum book

value yield is 343.67%. The earnings yield falls at the 92nd percentile in the basic materials sector while the book value yield is at the 94th percentile. Over the past year, the company's earnings yield has been between -10.79% and 11.64%; its book value yield has ranged between 174.44% and 343.67%.

Economic Moat ^Q as of 6 Nov 2024

Morningstar maintains a quantitative moat rating of None on the company. The firm's quantitative moat score of 0.13 sits at the 13th percentile in the basic materials sector. This is a decrease from 0.17, the maximum of its moat scores over the past year. The quantitative financial health rating for Usinas Siderurgicas is Moderate. Its financial health score, termed Distance to Default, sits at the 27th percentile in the universe and 34th percentile in the sector.


The significant drivers of these ratings are the company's book value yield and enterprise value-to-market value ratio. The book value yield for Usinas Siderurgicas is 290.88%, and its enterprise value-to-market value ratio is 1.19. They sit at the 95th and 63rd percentile in the global equity universe, respectively.

Fundamentals as of 7 Nov 2024

Usinas Siderurgicas reports earnings per share of 0.71. Its return on invested capital is 4.09%. The company maintains a dividend yield of 4.64%, paying out 39.87% of earnings. These values are calculated over a trailing 12-month period.

As of last market close, Usinas Siderurgicas has a price-to-earnings ratio of 9.58, falling at the 22nd percentile in its sector (where a lower percentile means a lower ratio) and ranging between 8.45 and 16.74 over the past year. The company's price-

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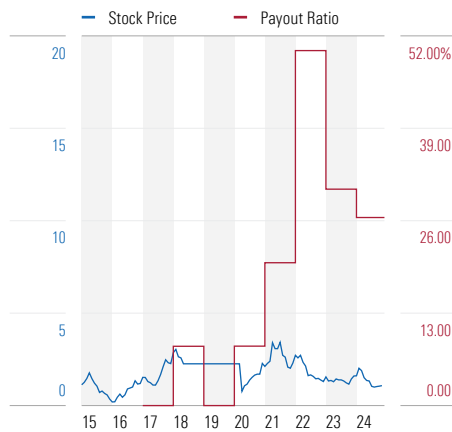
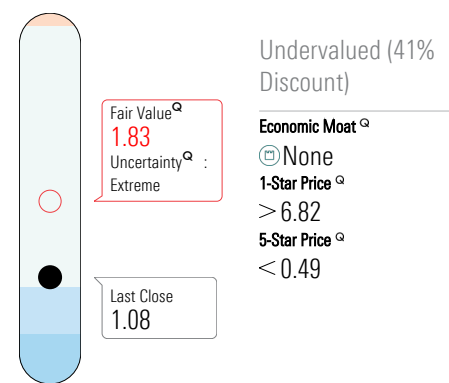
Earnings as of 5 Nov 2024

Earnings	%	Percentile in Sector
Dividend Yield*	4.6	78.0
Payout Ratio*	39.9	50.0
Price to Earnings	9.5	22.0
Price to Cash Flow	19.0	56.0
ROIC**	4.1	70.0

*31 Oct 2024

**30 Sep 2024

Dividends as of 6 Nov 2024

Valuation ^Q as of 6 Nov 2024

to-free cash flow ratio is 19.13, falling at the 56th percentile in its sector and ranging between 7.09 and 25.56 over the past year.

Contact

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<https://www.usiminas.com>

Financials (Fiscal Year End 31 Dec 2024)

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	09/2024	Fiscal
11.74	10.19	8.45	10.73	13.74	14.95	16.09	33.74	32.47	27.64	26.17	Revenue (Bil)
0.51	-0.76	-0.64	0.94	1.34	0.90	1.80	11.78	3.84	0.70	0.50	Operating Income (Bil)
4.36	-7.50	-7.59	8.77	9.75	6.02	11.21	34.91	11.84	2.54	2.54	Operating Margin (%)
0.13	-3.24	-0.67	0.23	0.73	0.21	0.67	9.07	1.62	1.39	0.91	Net Income (Bil)
0.13	-3.28	-0.60	0.18	0.57	0.17	0.52	7.07	1.26	1.08	1.07	Diluted Earnings/Share
1.22	0.10	-0.31	0.88	0.51	1.97	3.76	5.30	1.00	4.57	1.75	Operating Cash Flow (Bil)
1.17	0.75	0.22	0.22	0.43	0.68	0.80	1.48	2.09	2.98	1.34	Capital Spending (Bil)
-0.01	-0.84	-0.32	1.32	2.38	0.47	2.17	7.31	1.43	-2.00	-0.38	Free Cash Flow (Bil)
0.99	0.99	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	Avg Shares Outstand(Bil)

Valuation as of 6 Nov 2024

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Current	Calendar
0.86	0.83	1.77	1.34	0.86	0.88	1.06	0.65	0.49	0.70	0.59	Price/Fair Value ^Q
0.40	0.11	0.59	1.04	0.87	—	1.05	0.58	0.28	0.37	0.28	Price/Sales
17.83	—	—	—	89.45	—	—	2.29	1.89	—	5.66	Price/Earnings
4.77	3.70	—	7.26	7.06	—	7.91	2.20	1.85	7.91	7.73	Price/Cash Flow
0.29	0.11	0.31	0.75	0.90	—	1.36	0.88	0.35	0.45	0.34	Price/Book

Operating Performance (Fiscal Year End 31 Dec 2024)

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	09/2024	Fiscal (%)
0.42	-11.11	-2.48	0.89	2.77	0.81	2.39	26.13	4.07	3.47	2.29	Return on Assets
0.78	-21.48	-4.97	1.71	5.18	1.51	4.65	49.54	7.20	5.92	3.86	Return on Equity
0.99	-14.01	-2.07	3.07	2.86	1.09	3.98	35.92	6.06	5.69	4.09	Rtn on Invested Capital

Dividends as of 6 Nov 2024

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Current	Calendar (%)
—	0.03	—	—	0.05	—	0.04	1.42	0.63	0.33	0.05	Dividend Per Share
0.00	2.66	0.00	0.00	0.49	—	0.32	9.71	11.02	3.95	4.51	Trailing Dividend Yield
—	—	—	2.71	0.00	—	—	—	—	—	—	Buyback Yield

Appendix

Economic Moat [®]History as of 6 Nov 2024 (No Moat: 0.00-0.70, Narrow Moat: 0.70-0.99, Wide Moat: 0.99-1.00)

Year	January	February	March	April	May	June	July	August	September	October	November	December
2024	0.00	0.01	0.05	0.04	0.02	0.03	0.02	0.03	0.04	0.10	0.13	—
2023	0.19	0.02	0.01	0.01	0.00	0.01	0.02	0.00	0.00	0.00	0.00	0.00
2022	0.18	0.15	0.15	0.16	0.15	0.17	0.20	0.06	0.07	0.08	0.20	0.15
2021	0.06	0.03	0.03	0.08	0.04	0.11	0.05	0.08	0.07	0.28	0.27	0.39
2020	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.05	0.32	0.04	0.05
2019	0.00	0.00	0.01	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.00

Quantitative Equity Report Overview

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Quantitative Equity Ratings

Morningstar's quantitative equity ratings consist of: (i) Quantitative Fair Value Estimate, (ii) Quantitative Star Rating, (iii) Quantitative Uncertainty, (iv) Quantitative Economic Moat, and (v) Quantitative Financial Health (collectively the "Quantitative Ratings").

The Quantitative Ratings are calculated daily and derived from the analyst-driven ratings of a company's peers as determined by statistical algorithms. Morningstar, Inc. ("Morningstar", "we", "our") calculates Quantitative Ratings for companies whether or not it already provides analyst ratings and qualitative coverage. In some cases, the Quantitative Ratings may differ from the analyst ratings because a company's analyst-driven ratings can significantly differ from other companies in its peer group.

i. **Quantitative Fair Value Estimate:** Intended to represent Morningstar's estimate of the per share dollar amount that a company's equity is worth today. Morningstar calculates the Quantitative Fair Value Estimate using a statistical model derived from the Fair Value Estimate Morningstar's equity analysts assign to companies. Please go to <http://global.morningstar.com/equitydisclosures> for information about Fair Value Estimate Morningstar's equity analysts assign to companies.

ii. **Quantitative Economic Moat:** Intended to describe the strength of a firm's competitive position. It is calculated using an algorithm designed to predict the Economic Moat rating a Morningstar analyst would assign to the stock. The rating is expressed as Narrow, Wide, or None.

Narrow – assigned when the probability of a stock receiving a "Wide Moat" rating by an analyst is greater than 70% but less than 99%.

Wide – assigned when the probability of a stock receiving a "Wide Moat" rating by an analyst is greater than 99%.

None – assigned when the probability of an analyst receiving a "Wide Moat" rating by an analyst is less than 70%.

iii. **Quantitative Star Rating:** Intended to be the summary rating based on the combination of our Quantitative Fair Value Estimate, current market price, Quantitative Uncertainty Rating, and momentum. The rating is expressed as One-Star, Two-Star, Three-Star, Four-Star, and Five-Star.

★ – the stock is overvalued with a reasonable margin of safety.

*Log (Quant FVE/Price) < -1*Quantitative Uncertainty*

*Micro-Caps: Log (Quant FVE/Price) < -1.5*Quantitative Uncertainty*

★★ – the stock is somewhat overvalued.

*Log (Quant FVE/Price) between (-1*Quantitative Uncertainty, -0.5*Quantitative Uncertainty)*

*Micro-Caps: Log (Quant FVE/Price) between (-1.5*Quantitative Uncertainty, -0.75*Quantitative Uncertainty)*

★★★ – the stock is approximately fairly valued.

*Log (Quant FVE/Price) between (-0.5*Quantitative Uncertainty, 0.5*Quantitative Uncertainty)*

*Micro-Caps: Log (Quant FVE/Price) between (-0.75*Quantitative Uncertainty, 0.75*Quantitative Uncertainty)*

★★★★ – the stock is somewhat undervalued.

*Log (Quant FVE/Price) between (0.5*Quantitative Uncertainty, 1*Quantitative*

Uncertainty)

*Micro-Caps: Log (Quant FVE/Price) between (0.75*Quantitative Uncertainty, 1.5*Quantitative Uncertainty)*

★★★★★ – the stock is undervalued with a reasonable margin of safety.

*Log (Quant FVE/Price) > 1*Quantitative Uncertainty*

*Micro-Caps: Log (Quant FVE/Price) > 1.5*Quantitative Uncertainty*

After the initial calculation for the star rating, there is a final filtering step based on the momentum of the company. We rank the companies based on their 12-1 month momentum, then restrict those below the 30th percentile to a maximum of 3 stars.

iv. **Quantitative Uncertainty:** Intended to represent Morningstar's level of uncertainty about the accuracy of the Quantitative Fair Value Estimate. Generally, the lower the Quantitative Uncertainty, the narrower the potential range of outcomes for that particular company. The rating is expressed as Low, Medium, High, Very High, and Extreme.

Low – the interquartile range for possible fair values is less than 10%

Medium – the interquartile range for possible fair values is less than 15% but greater than 10%

High – the interquartile range for possible fair values is less than 35% but greater than 15%

Very High – the interquartile range for possible fair values is less than 80% but greater than 35%

Extreme – the interquartile range for possible fair values is greater than 80%

v. **Quantitative Financial Health:** Intended to reflect the probability that a firm will face financial distress in the near future. The calculation uses a predictive model designed to anticipate when a company may default on its financial obligations. The rating is expressed as Weak, Moderate, and Strong.

Weak – assigned when Quantitative Financial Health < 0.2

Moderate – assigned when Quantitative Financial Health is between 0.2 and 0.7

Strong – assigned when Quantitative Financial Health > 0.7

Other Definitions

i. **Last Close** – Price of the stock as of the close of the market of the last trading day before date of the report.

ii. **Quantitative Valuation** – Using the below terms, intended to denote the relationship between the security's **Last Price** and Morningstar's quantitative fair value estimate for that security.

Undervalued – Last Price is below Morningstar's quantitative fair value estimate.

Fairly Valued – Last Price is in line with Morningstar's quantitative fair value estimate.

Fairly Valued – Last Price is in line with Morningstar's quantitative fair value estimate.

Overvalued – Last Price is above Morningstar's quantitative fair value estimate.

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Sustainalytics analyzes over 1,300 data points to assess a company's exposure to and management of ESG risks. In other words, ESG Risk Ratings measures a company's unmanaged ESG Risks represented as a quantitative score. Unmanaged Risk is measured on an open-ended scale starting at zero (no risk) with lower scores representing less unmanaged risk and, for 95% of cases, the unmanaged ESG Risk score is below 50.

Based on their quantitative scores, companies are grouped into one of five Risk Categories (negligible, low, medium, high, severe). These risk categories are absolute, meaning that a 'high risk' assessment reflects a comparable degree

of unmanaged ESG risk across all subindustries covered.

The ESG Risk Rating Assessment is a visual representation of Sustainalytics ESG Risk Categories on a 1 to 5 scale. Companies with Negligible Risk = 5 Globes, Low Risk = 4, Medium Risk = 3 Globes, High Risk = 2 Globes, Severe Risk = 1 Globe. For more information, please visit sustainalytics.com/esg-ratings/

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