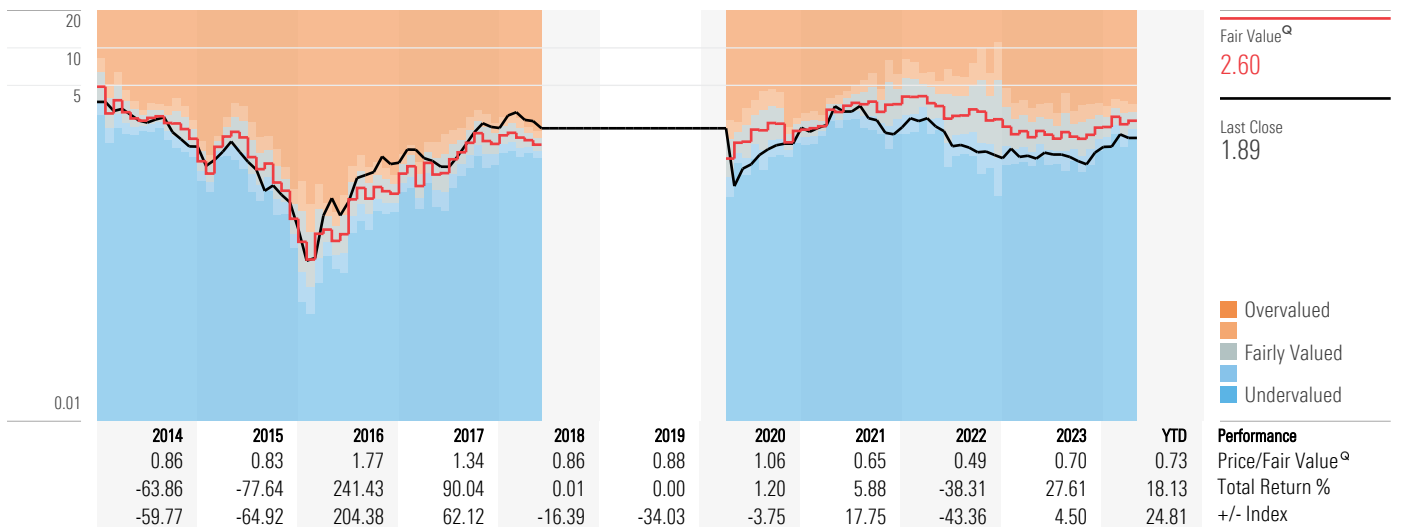


Usinas Siderurgicas de Minas Gerais SA Pfd Shs -A- XUSI ★★★★★ 18 Apr 2024, 22:45 UTC

Economic Moat ^Q	Uncertainty ^Q	Price/Fair Value ^Q	ESG Risk Rating Assessment ¹	Trailing Dividend Yield %	Market Cap	Investment Style	Sector	Industry
None	High	0.7	3 Apr 2024 05:00, UTC	3.34	2.0840 Bil	Mid Value	Basic Materials	Steel



As of 18 Apr 2024 | Index: Morningstar Brazil GR BRL. Fair Value data as of 18 Apr 2024, 22:45 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 15 Apr 2024

Metrics	Value	Percentile in Sector
Earnings Yield (%)	10.6	90.0
Sales Yield (%)	220.8	88.0
Book Value Yield (%)	190.6	88.0
Return on Assets (%)*	3.5	73.0
Revenue(Bil)*	5.3	90.0
Market Value (Bil)	2.3	85.0
Enterprise Value (Bil)	2.6	84.0
EV/MV Ratio	1.1	67.0
Volatility TTM (%)	23.1	17.0
Drawdown TTM (%)	23.6	23.0
Volume (Mil)	11.7	96.0

*31 Dec 2023

Business Description

Usinas Siderurgicas de Minas Gerais SA is a Brazil-based company that is primarily engaged in the production and distribution of flat steel products. The company's product portfolio consists of ordinary heavy plates, Sincron series premium heavy plates, hot strips, cold-rolled products, 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 three biggest export destination markets for the company.

Valuation ^Q as of 18 Apr 2024

Morningstar maintains a 4-star quantitative star rating for Usinas Siderurgicas, derived from the firm's valuation and uncertainty scores. The company's shares last closed at 1.89, below our quantitative fair value estimate of 2.62. These shares have traded between a 40.8% and 22.34% 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 46th percentile; in the basic materials sector, the firm's score lies at the 64th percentile (meaning the shares are more undervalued than 64% of stocks in the sector). Furthermore, Usinas Siderurgicas maintains a quantitative valuation uncertainty rating of High. The company has held this star rating since the previous rating of 3, which was last assigned on 04/01/2024. The uncertainty rating for Usinas Siderurgicas has remained High since the previous rating of Very High, which was last assigned on 04/16/2024.

The key factors behind these ratings are the com-

pany's earnings yield and volume. The earnings yield is 10.75%, and its maximum trailing 12-month average volume (primary share) is 18,047,590 shares. The earnings yield falls at the 90th percentile in the basic materials sector while the volume is at the 95th percentile. Over the past year, the company's earnings yield has been between -11.56% and 16.91%; its volume has ranged between 11,694,471 shares and 18,047,590 shares.


Economic Moat ^Q as of 18 Apr 2024

Quantitatively, we do not believe Usinas Siderurgicas has an economic moat. Its moat score of 0.05 sits below the 5th percentile in the basic materials sector. Furthermore, this rating has not changed over the past year, while the company's moat score fell from its maximum of 0.06 in this period (score of 1 indicates greatest economic moat). The company also maintains a quantitative financial health rating of Moderate. Its score sits at the 61st percentile overall and the 76th percentile in the sector. Examining the company's financials and market statistics, we find these ratings are principally driven by its book value yield and enterprise value-to-market value ratio. The book value yield is 192.84%, sitting at the 88th percentile in the basic materials sector. The company's enterprise value-to-market value ratio is 1.13, corresponding to the 58th percentile in the equity coverage universe and the 66th percentile in the sector.

Fundamentals as of 18 Apr 2024

Usinas Siderurgicas maintains earnings per share of 1.08. The company further earns a return on invested capital of 5.69%. The shares offer a dividend yield of 3.34%. These values are calculated over a trailing 12-month period.

Usinas Siderurgicas de Minas Gerais SA Pfd Shs -A- XUSI ★★★★★ 18 Apr 2024, 22:45 UTC

Economic Moat ^Q	Uncertainty ^Q	Price/Fair Value ^Q	ESG Risk Rating Assessment ¹	Trailing Dividend Yield %	Market Cap	Investment Style	Sector	Industry
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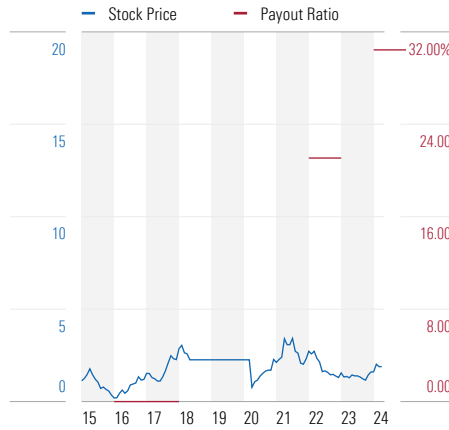
Earnings as of 15 Apr 2024

Earnings	%	Percentile in Sector
Dividend Yield*	3.3	59.0
Payout Ratio*	30.4	40.0
Price to Earnings	9.5	25.0
Price to Cash Flow	8.0	28.0
ROIC**	5.7	74.0

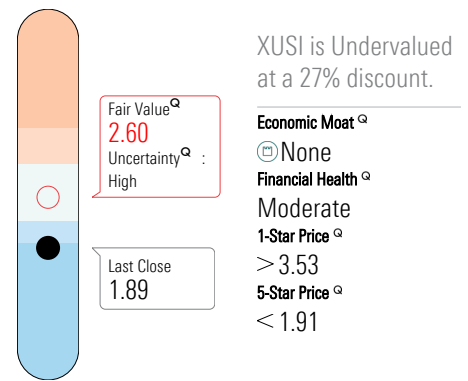
*28 Mar 2024

**31 Dec 2023

Dividends as of 18 Apr 2024



Valuation ^Q as of 18 Apr 2024



Economic Moat ^Q
 None
Financial Health ^Q
 Moderate
1-Star Price ^Q
 > 3.53
5-Star Price ^Q
 < 1.91

As of last market close, Usinas Siderurgicas has a price-to-earnings ratio of 9.64, falling below the 25th percentile in its sector (where a lower percentile means a lower ratio) and ranging between 6.12 and 34.43 over the past year. The company's price-to-free cash flow ratio is 8.09, falling at the 29th percentile in its sector and ranging between 7.09 and 10.78 over the past year.

Contact

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 +55 3134998110

<https://www.usiminas.com>

Financials as of 18 Apr 2024 (Fiscal Year End 31 Dec 2023)

	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	YTD	Fiscal
Revenue (Bil)	11.74	10.19	8.45	10.73	13.74	14.95	16.09	33.74	32.47	27.64	27.64	Revenue (Bil)
Operating Income (Bil)	0.51	-0.76	-0.60	0.95	1.54	0.90	1.77	11.78	3.84	0.70	0.70	Operating Income (Bil)
Operating Margin (%)	4.38	-7.46	-7.13	8.81	11.18	6.0	11.01	34.91	11.84	2.54	2.54	Operating Margin (%)
Net Income (Mil)	130	-3,236	-670	233	727	213	673	9,071	1,616	1,391	1,391	Net Income (Mil)
Diluted Earnings/Share	0.13	-3.28	-0.60	0.18	0.57	0.17	0.52	7.07	1.26	1.08	1.08	Diluted Earnings/Share
Operating Cash Flow (Mil)	1,412	103	-310	877	510	1,972	3,759	5,336	1,006	4,568	4,568	Operating Cash Flow (Mil)
Capital Spending (Mil)	-1,172	-754	-223	-216	-434	-681	-799	-1,483	-2,092	-2,984	-2,984	Capital Spending (Mil)
Free Cash Flow (Mil)	239	-651	-533	661	76	1,290	2,961	3,853	-1,086	1,584	1,584	Free Cash Flow (Mil)
Avg Shares Outstand(Mil)	988	988	1,121	1,228	1,229	1,229	1,230	1,231	1,231	1,231	1,231	Avg Shares Outstand(Mil)

Valuation as of 18 Apr 2024

	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Current	Calendar
Price/Fair Value ^Q	0.86	0.83	1.77	1.34	0.86	0.88	1.06	0.65	0.49	0.70	0.73	Price/Fair Value ^Q
Price/Sales	0.42	0.14	0.58	1.16	—	—	1.24	0.59	0.27	0.37	0.47	Price/Sales
Price/Earnings	18.87	—	—	—	—	—	—	2.32	1.88	—	9.83	Price/Earnings
Price/Cash Flow	4.55	2.80	—	55.50	—	—	5.09	3.82	4.02	2.53	2.86	Price/Cash Flow
Price/Book	0.31	0.10	0.36	0.79	—	—	1.32	0.91	0.37	0.45	0.55	Price/Book

Operating Performance as of 18 Apr 2024 (Fiscal Year End 31 Dec 2023)

	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Q3	Fiscal (%)
Return on Assets	0.42	-11.11	-2.48	0.89	2.77	0.81	2.39	26.13	4.07	3.47	2.18	Return on Assets
Return on Equity	0.78	-21.48	-4.97	1.71	5.18	1.51	4.65	49.54	7.2	5.92	3.7	Return on Equity
Rtn on Invested Capital	0.99	-14.01	-2.07	3.07	2.86	1.09	3.98	35.92	6.06	5.69	3.44	Rtn on Invested Capital

Dividends as of 18 Apr 2024

	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Current	Calendar (%)
Dividend Per Share	—	0.03	—	—	—	—	0.04	1.43	0.63	0.33	0.05	Dividend Per Share
Trailing Dividend Yield	—	2.66	—	—	—	—	0.32	—	11.02	—	3.34	Trailing Dividend Yield
Buyback Yield	—	—	—	2.42	—	—	—	—	—	—	0.0	Buyback Yield

Appendix

Economic Moat [®]History as of 18 Apr 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	—	—	—	—	—	—	—	—
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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This Report **has not been made available** to the issuer of the security prior to publication.

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