

APAC Food & Beverages

Ajinomoto Co Inc

Rating

Outperform (Market-Perform *OLD*)

Price Target

📈 2802.JP

6,700.00 JPY (5,100.00 *OLD*)

25 May 2026

Rating Upgrade



Euan McLeish

+81 3 5962 9611

euan.mcleish@bernsteinsg.com



Hao Wang, CFA

+852 2123 2627

hao.wang@bernsteinsg.com



Mufei Gao

+81 3 6777 6995

mufei.gao@bernsteinsg.com

Ajinomoto's new pricing paradigm - Upgrading to Outperform

Ajinomoto have been the most enthusiastic price taker across our coverage over recent years, but their ABF division has been the exception. Management has now crossed the Rubicon by announcing *raw material related* price increases on their flagship semiconductor input material, and this opens the door to further expanding margins and maintaining / expanding Ajinomoto's fair share of the ABF substrate value chain over time. We have updated our ABF forecasts to reflect c. 15% like-for-like price increases on AI related films and c. 5% for PCs/ Servers. We also reflect our estimates of Middle East raw material pricing pressure with the Seasonings & Foods division over-recovering via price increases, while Frozen Foods under-recovers. We now expect overall BP growth to accelerate from 14% in FY3/26 to 27% & 24% in FY3/27 & 28, with EPS +7/15/17% vs consensus.

ABF revenue growth has historically been driven by mix evolution and the introduction of new higher priced specifications, but with customers raising downstream substrate prices by 15-30%, Ajinomoto management now plans to introduce like-for-like price increases. As a result, we now expect ABF revenue to grow by 35% in FY3/27&28, with operational leverage returning to 1.6x and BP growing by 56%. Should downstream capacity constraints drive further price increases by Ajinomoto's customers, we see upside to these estimates.

We expect COGS inflation to start hitting in Q2 with Frozen Foods and Seasonings & Foods facing c. 700bps / 360bps of margin headwinds, or c.¥53b before mitigations. We expect Aji to take price in both divisions, over-recovering in S&F and expanding margins by 100bps, and under-recovering in Frozen with 140bps of margin contraction.

Investment Implications

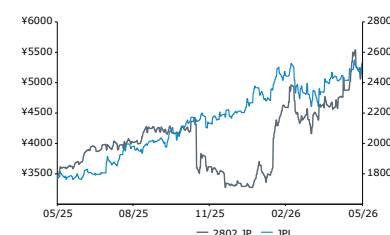
We **upgrade Ajinomoto to Outperform** and **raise our Price Target from ¥5,100 to ¥6,700** after raising our EPS estimates to ¥151/191/226 in FY3/27-29 and set our target multiple at 35x to reflect our DCF and SOTP analysis ([model](#))/([ABF industry model](#)).

Adjusted EPS	F26A	F27E	F28E	Financials	F26A	F27E	F28E	CAGR	Valuation Metrics	F26A	F27E	F28E
2802.JP (JPY)	138.36	151.45	190.45	EBITDA (M)	270,077	326,191	387,226	19.7%	EV/EBITDA (x)	21.3	17.6	14.8
<i>OLD</i>	--	148.80	175.87	Revenues (M)	1,584*	1,743*	1,869*	8.6%	Adjusted P/E (x)	39.6	36.1	28.7
				EBIT (M)	181,163	229,708	285,630	25.6%	PEG Adjusted (x)	0.4	3.8	1.1
				Net Earnings (M)	145,061	154,169	192,870	15.3%	EV/Sales (x)	3.6	3.3	3.1
				ROIC (%)	8.1	9.6	10.3	--	PEG Reported (x)	0.4	3.8	1.1
				Net Debt/EBITDA (x)	1.17	0.59	0.00	(94.3)%	Reported P/E (x)	39.6	36.1	28.7
									EV/FCF (x)	16.1	25.4	17.4

*Values shown in billions;Source: Bloomberg, Bernstein estimates and analysis.

Close Date	25 May 2026
2802.JP Close Price (JPY)	5,475.00
Price Target (JPY)	6,700.00
Upside/(Downside)	22%
52-Week Range	5,739.00/3,270.00
JPL	2,533.09
FYE	Mar
Div Yield	0.9%
Market Cap (JPY) (B)	5,353.10
EV (JPY) (B)	5,741.22
Performance	YTD 1M 6M 12M
Absolute (%)	65.1 15.1 52.4 57.0
JPL (%)	14.8 4.9 18.9 43.6
Relative (%)	50.3 10.2 33.5 13.4
Source: Bloomberg, Bernstein estimates and analysis.	

Price Performance, 1YR



DETAILS

Our ¥6,700 Price Target, which represents 26% potential upside to Ajinomoto's share price over the next 12 months, reflects a 35x target P/E which is set with reference to our DCF and SOTP valuations set out in this note. While we continue to consider a range of valuation metrics in setting our target price, we have changed to expressing our valuation in P/E terms (as opposed to EV/EBITDA previously) in order to increase comparability for investors.

We have increased our FY3/28 EPS estimates by 8% to reflect the shift from mix based ABF revenue growth to like-for-like price increases, and the downside from Middle East related raw material cost pressure coupled with over recovery in the Seasonings and Foods division and under recovery in Frozen Foods. Underpinned by accelerating revenue growth and 550bps of overall margin expansion, we now expect Ajinomoto Business Profit growth to come in at 27%/24%/18% in FY3/27-29.

EXHIBIT 1: We see 26% share price potential upside, reflecting a 35x P/E and our EPS est. are above consensus

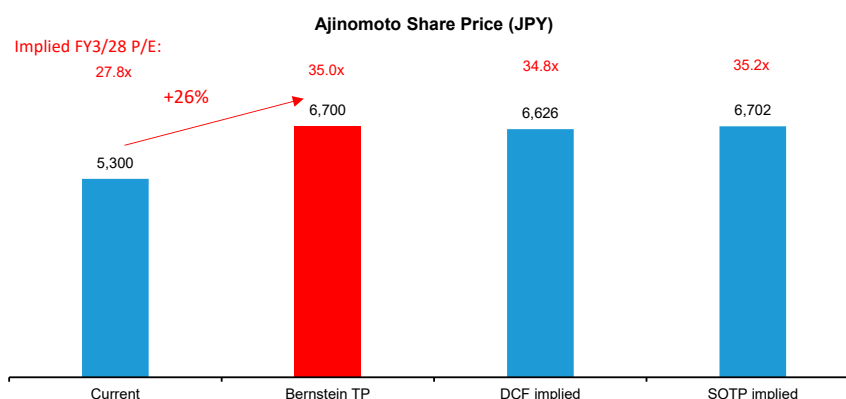


EXHIBIT 2: We expect BP growth to accelerate materially on FY3/27 & 28 based on ABF and food price increases

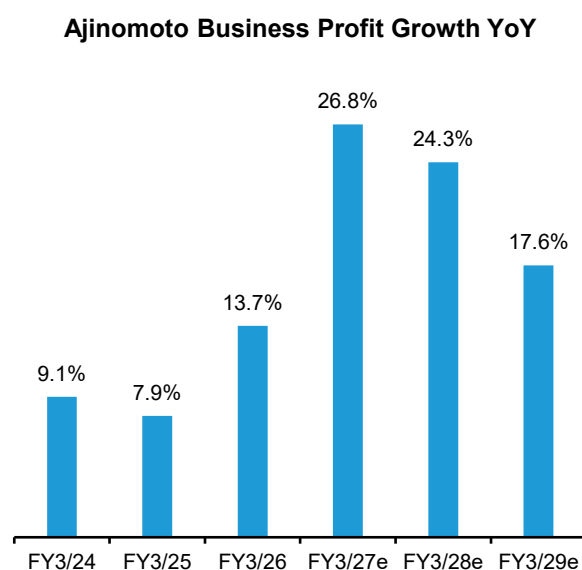
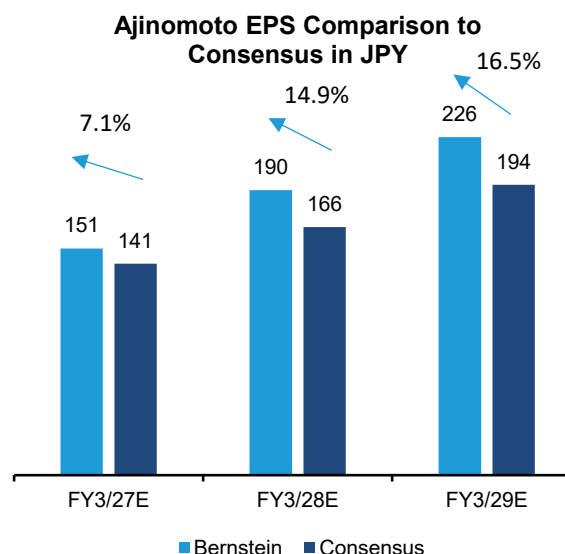


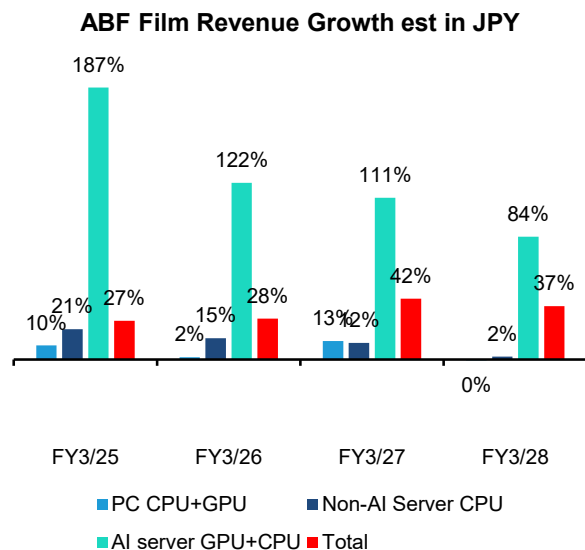
EXHIBIT 3: Our EPS estimates are well above consensus



ABF PRICING AND OPERATIONAL LEVERAGE UPSIDE

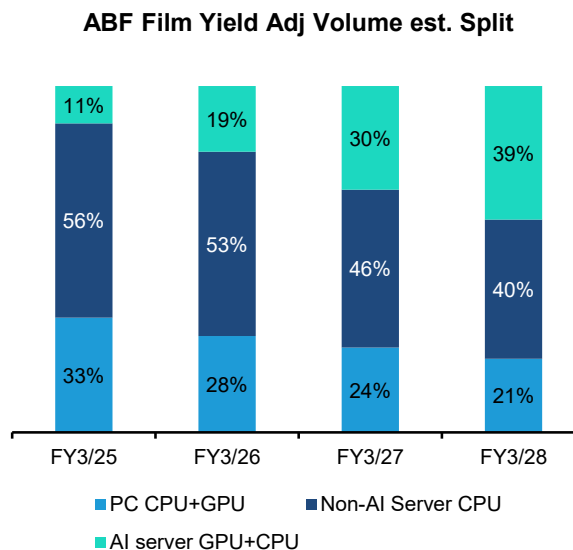
Historically, ABF revenue growth has been driven by mix evolution and the introduction of new specifications at higher price points, however, with customers raising downstream prices in the substrate prices by 15-30% Ajinomoto management now have plans for like-for-like price increases. As a result, we expect ABF revenue to grow by 35% in FY3/27&28, with operational leverage returning to 1.6x and BP growing by 56%. Should downstream capacity constraints drive further price increases by customers like Unimicron, NanYa and Ibiden,¹ we could see upside to our Ajinomoto est.

EXHIBIT 4: **Sustained high priced AI CPU/GPU demand growth is set to drive strong ABF revenue growth**



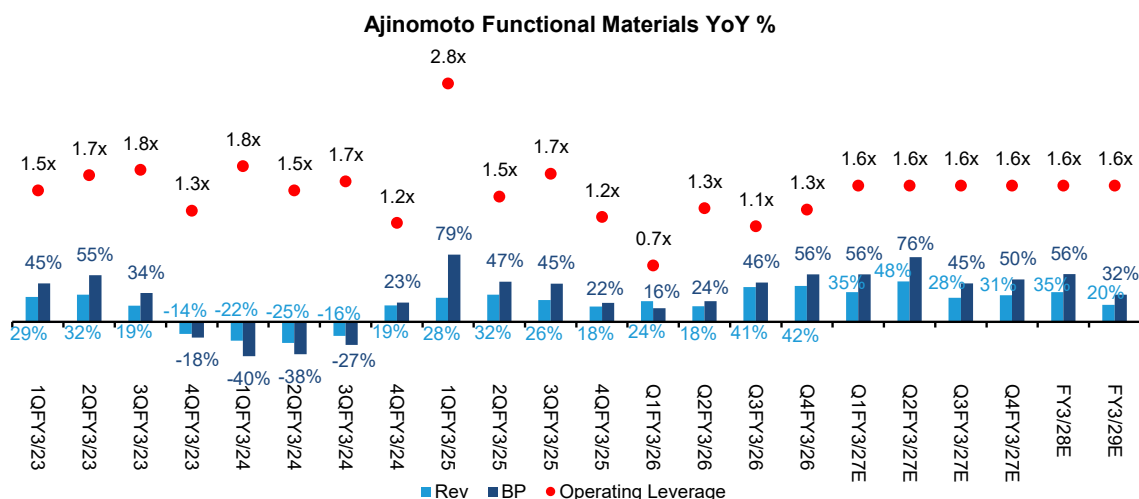
Source: Bernstein analysis and estimates

EXHIBIT 5: **We expect AI CPU/GPU related ABF specifications to reach 40% of volume mix in FY3/28**



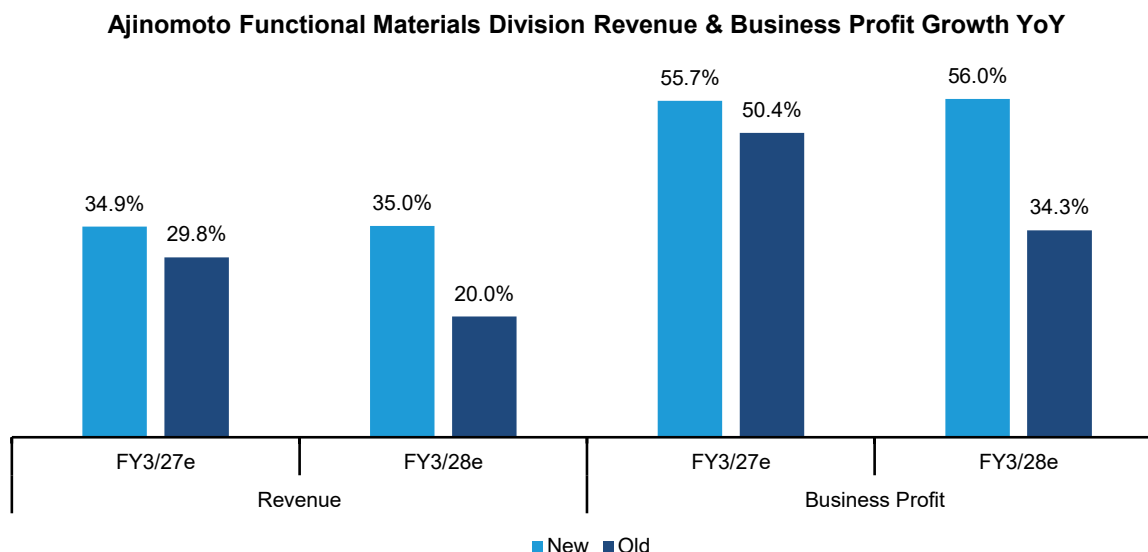
Source: Bernstein analysis and estimates

EXHIBIT 6: **We expect ABF operational leverage to return to 1.6x on the back of pricing and cycling Gunma cost**



Source: company reports, Bernstein analysis and estimates

¹ Unimicron is covered by Alex WANG; Ibiden by David DAI; Nanya is not covered by Bernstein

EXHIBIT 7: We have materially raised our Functional Materials Division Revenue and BP growth forecasts

Source: Bernstein analysis and estimates

OVER / UNDER RECOVERING RAW MATERIAL INFLATION

Ajinomoto's Seasonings & Foods division faces raw material price headwinds in the region of c. 3.6% of revenue (Exhibit 8), by our estimates, as a result of Middle East conflict related oil price increases ([link](#)). This would equate to c. ¥33b of headwind if left unmitigated, but, given the company's strong brand and high seasonings market shares in key markets, we expect Ajinomoto to pass these costs on to consumers and to over-recover the cost increases.

In FY3/25&26, Ajinomoto grew revenue 1.9x and 1.6x faster than the COGS increases in Japan S&F (Exhibit 10), and we now model a 1.6x cost pass through across the S&F division leading to 100bps of margin expansion. We have raised our global S&F BP estimate by 4.6% from ¥156bn to ¥163bn as a result.

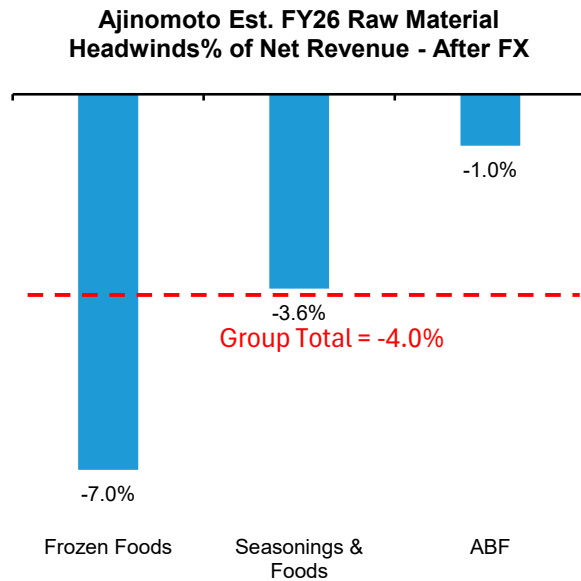
We expect the company to under recover in Frozen Foods, however, as the industry is fragmented and Ajinomoto has historically only managed modest cost pass through. For example, in FY3/26 Japan FF recovered only 70% of incremental COGS and that represented a major step up from previous years.

By our estimates, Ajinomoto's global Frozen Foods business faces c. 700bps of margin pressure before mitigations, which would equate to c. ¥20b of headwind if left unmitigated, and we only expect the company to be able to pass 50% of this on to consumers via price increases. On this basis, we have raised our FY3/27 Frozen Foods revenue growth estimate to 6.4%, but we now reflect 140bps of margin contraction bringing the divisional BP margin down from 3.1% in FY3/26 to 1.7% in FY3/27.

Faced with this significant incremental pressure in Frozen Foods, we see an increasing probability that management restarts their Frozen Foods restructuring program which, in the US, delivered c. 330bps of margin expansion over FY3/23-24 ([link](#)).

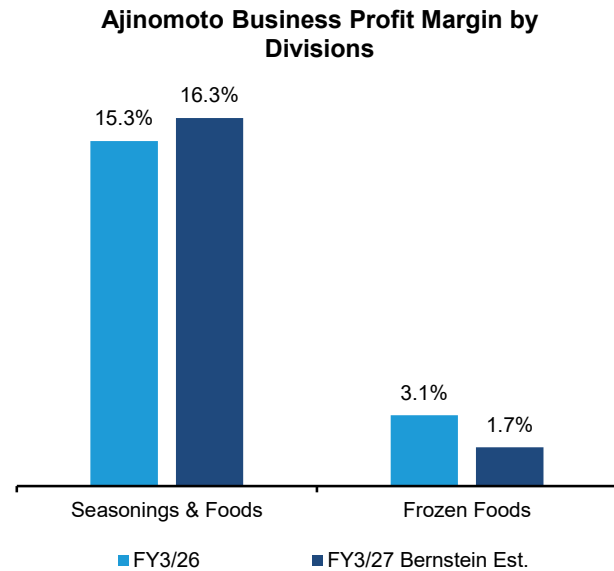
Ajinomoto still has 6 Frozen Food production sites in Japan (all of which are relatively small scale) and 3 sites in their sub-scale Europe business. The company's stated strategy of using Frozen Foods products as an entry point into the more lucrative Ajinomoto branded and culturally Japanese food products seems to suggest that non-Japanese products like frozen desserts, Petit Fours and Macaroons are logical candidates for rationalization.

EXHIBIT 8: We expect FF to face 700bps of margin downside and 360bps for S&F under a sustained 50% oil price inflation scenario and before mitigation



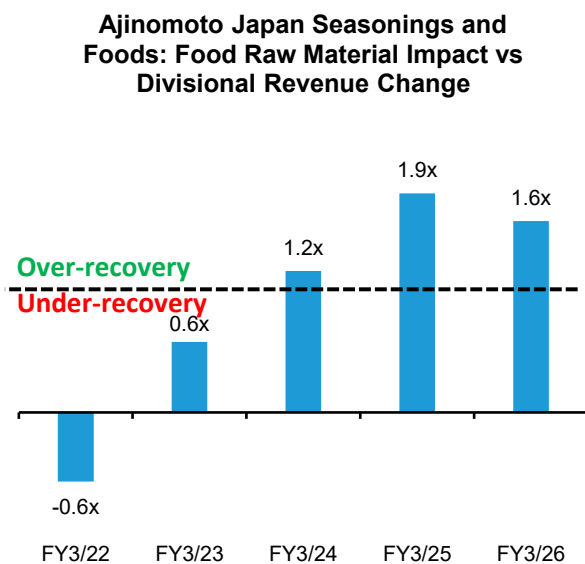
Source: company reports, Bernstein analysis and estimates

EXHIBIT 9: We expect S&F margin to benefit from over-recovery of raw material headwinds but FF margin to get hit from under-recovery



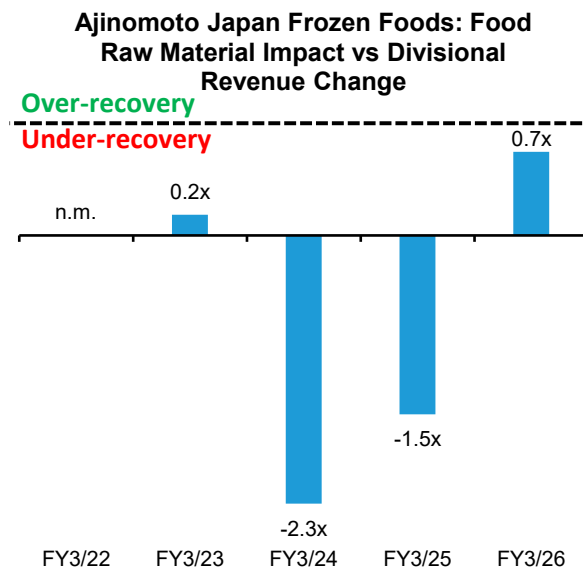
Source: company reports, Bernstein analysis and estimates

EXHIBIT 10: In Japan Ajinomoto's Seasonings and Foods division has been over-recovering food raw material headwinds three years in a row



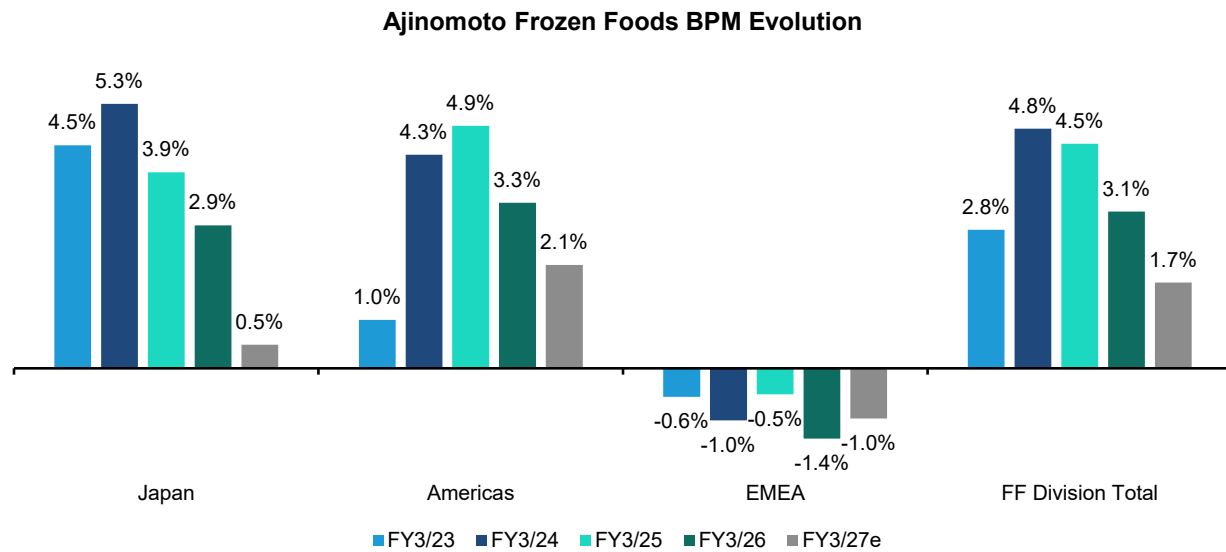
Source: company reports, Bernstein analysis

EXHIBIT 11: While their domestic Frozen Foods division failed to do so until the recent year



Source: company reports, Bernstein analysis

EXHIBIT 12: **We expect to see further Frozen Foods margin contraction across all regions, with Japan being the worst hit**



Source: company reports, Bernstein analysis and estimates

VALUATION

We have upgraded Ajinomoto to Outperform after raising our Price Target from ¥5,100 to ¥6,700 on the back of an 8/11% increase in our FY3/27&8 EPS estimates and a 35x target P/E.

Our DCF analysis implies a ¥6,626 price target and a 34.8x NTM P/E multiple, assuming an 8.5% WACC and a 3.5% terminal value growth rate, and WACC sensitivities from 8.25% to 8.75% imply a price target range from ¥5,900 to ¥7,600 (Exhibit 14).

EXHIBIT 13: **Ajinomoto DCF Valuation Metrics**

Ajinomoto Valuation Metrics										
Free cash flow to firm (FCFF, JPY mn)	FY3/26	FY3/27e	FY3/28e	FY3/29e	FY3/30e	FY3/31e	FY3/32e	FY3/33e	FY3/34e	FY3/35e
Business Profit	181,163	229,708	285,630	336,025	397,236	457,408				
Tax rate	26%	26%	26%	26%	26%	26%				
EBIT * (1 - tax rate)	134,001	170,251	211,698	249,049	294,416	339,014				
Capex	(104,550)	(104,550)	(104,550)	(104,550)	(104,550)	(104,550)				
Depreciation and amortisation	88,914	96,483	101,596	105,889	109,970	113,749				
Change in working capital	69,725	(4,258)	21,690	19,861	19,922	19,688				
FCFF	188,090	157,926	230,433	270,249	319,758	367,901	419,407	469,736	516,709	558,046
YoY Growth in FCFF		-16.0%	45.9%	17.3%	18.3%	15.1%	14.0%	12.0%	10.0%	8.0%
Terminal growth rate										3.5%
Terminal value										10,306,944
Discount Factor		1.09	1.18	1.28	1.39	1.50	1.63	1.77	1.92	2.08
PV of FCFF		145,554	195,743	211,580	230,729	244,671	257,073	265,366	269,035	267,795
										4,778,834
(JPY mn unless otherwise stated)										
NPV of FCFF	6,866,380									
Net Debt		314,662								
Minority Interest		73,456								
Equity Value		6,478,262								
Diluted Shares Outstanding (m)		978								
Value per share (JPY)	¥6,626									
Current share price (JPY)		¥5,176								
Implied upside/downside		28%								

Source: company reports, Bernstein analysis and estimates

EXHIBIT 14: **Ajinomoto Share Price Sensitivity by DCF Valuation Metrics**

Share Price Sensitivity (JPY)						
Terminal Growth Rate	WACC					
		8.00%	8.25%	8.50%	8.75%	9.00%
	2.5%	6,424	6,104	5,811	5,542	5,293
	3.0%	6,887	6,518	6,181	5,875	5,594
	3.5%	7,453	7,018	6,626	6,271	5,949
	4.0%	8,161	7,636	7,169	6,751	6,375
	4.5%	9,071	8,419	7,848	7,344	6,896

Implied NTM+1 P/E						
Terminal Growth Rate	WACC					
		8.00%	8.25%	8.50%	8.75%	9.00%
	2.5%	33.7x	32.1x	30.5x	29.1x	27.8x
	3.0%	36.2x	34.2x	32.5x	30.8x	29.4x
	3.5%	39.1x	36.8x	34.8x	32.9x	31.2x
	4.0%	42.9x	40.1x	37.6x	35.4x	33.5x
	4.5%	47.6x	44.2x	41.2x	38.6x	36.2x

Implied Premium / Discount to the Latest Closing Price						
Terminal Growth Rate	WACC					
		8.00%	8.25%	8.50%	8.75%	9.00%
	2.5%	24.1%	17.9%	12.3%	7.1%	2.3%
	3.0%	33.1%	25.9%	19.4%	13.5%	8.1%
	3.5%	44.0%	35.6%	28.0%	21.2%	14.9%
	4.0%	57.7%	47.5%	38.5%	30.4%	23.2%
	4.5%	75.3%	62.6%	51.6%	41.9%	33.2%

Source: Bloomberg, Bernstein analysis and estimates

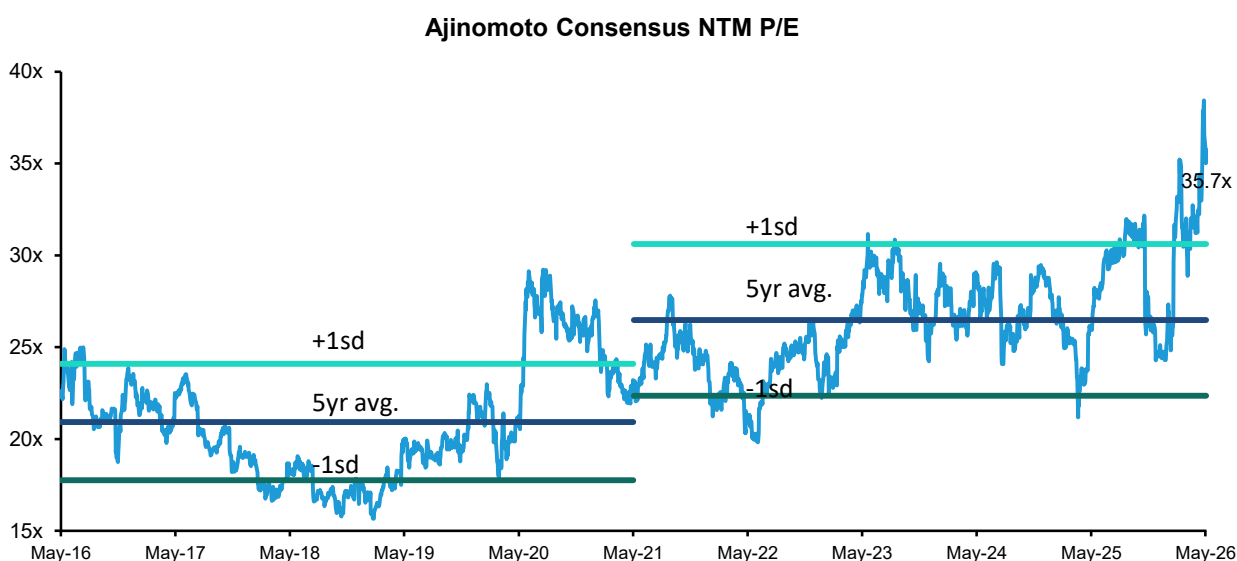
Our sum of the parts valuation yields a price target range from ¥5,700 to ¥6,700 (Exhibit 15), with the majority of the change vs our previous published SOTP coming from the significant valuation re-rating enjoyed by comparable companies used to value the ABF Division, with companies like Ibiden now trading at 52x EBIT compared to 33x on average over the last 3 months (Exhibit 17).

Ajinomoto itself has been continually re-rating over the last c. 8 years, and the stock now trades at 36x NTM P/E based on consensus estimates (Exhibit 16).

EXHIBIT 15: **Our SOTP analysis values Ajinomoto at JPY6,700 per share based on current multiples**

SOTP Multiples	Valuation Comps			
	NTM EV/EBIT Multiple as of			
	5/21/2026	3 mth Avg	12 mth Avg	5yr Avg
Seasonings & Foods	16.4x	17.2x	19.1x	24.9x
ABF / Functional Materials	34.7x	29.5x	22.7x	20.4x
Healthcare	20.9x	19.7x	20.9x	23.3x
Frozen Food	9.5x	9.9x	10.5x	11.6x
Other (wtd average of other divisions)	25.7x	23.9x	22.1x	24.6x
Implied EV in 12 mths (JPYb)				
Seasonings & Foods	2,888	3,044	3,371	4,395
ABF / Functional Materials	4,609	3,909	3,012	2,699
Healthcare	469	442	469	524
Frozen Food	48	50	53	59
Other	(1,311)	(1,218)	(1,130)	(1,256)
Total 1yr forward EV	6,702	6,227	5,775	6,421
Implied overall EV/EBIT multiple	23.5x	21.8x	20.2x	22.5x
Implied 12 mth share price	6,702	6,204	5,729	6,407
Implied 12 mth upside	24.1%	15.3%	6.9%	18.9%

Source: company reports, Bloomberg, Bernstein analysis and estimates

EXHIBIT 16: **Ajinomoto itself has been continually re-rating over the last c. 8 years, and the stock now trades at 36x NTM P/E based on consensus estimates**

Source: Bloomberg, Bernstein analysis

APPENDIX - FINANCIAL FORECASTS

Ajinomoto forecasts are Bernstein estimates, and the rest companies' forecasts are Bloomberg consensus.

EXHIBIT 17: ABF / Functional Materials peergroup valuation and operating metrics

		Valuation Comps				P&L Metrics				
ABF / Functional Materials		NTM EV/EBIT Multiple as of				3yr forecast CAGR		Last FY		3yr
	Ticker	5/21/2026	3 mth Avg	12 mth Avg	5yr Avg	Revenue	EBIT	EBIT Margin	ROIC	Margin Δ
Ibiden	4062 JT	51.6x	33.0x	22.8x	14.4x	20%	45%	15%	5%	11%
Unimicron	3037 TT	38.0x	34.0x	22.5x	14.0x	36%	136%	5%	4%	-5%
Global Foundries	GFS US	26.7x	21.6x	16.0x	21.8x	10%	37%	12%	6%	11%
ASML	ASML NA	32.2x	31.4x	28.2x	28.7x	17%	23%	35%	42%	6%
Hoya	7741 JP	25.2x	27.5x	24.0x	22.9x	8%	9%	33%	22%	2%
Average		34.7x	29.5x	22.7x	20.4x	18%	50%	20%	16%	5%
Median		32.2x	31.4x	22.8x	21.8x	17%	37%	15%	6%	6%
					Aji ABF	35%	56%	54%	N/A	18%

Source: company reports, Bloomberg, Bernstein analysis and estimates

EXHIBIT 18: Healthcare peergroup valuation and operating metrics

Healthcare		Valuation Comps				P&L Metrics				
		NTM EV/EBIT Multiple as of				3yr forecast CAGR		Last FY		3yr
Ticker		5/21/2026	3 mth Avg	12 mth Avg	5yr Avg	Revenue	EBIT	EBIT Margin	ROIC	Margin Δ
Lonza	LONN SE	24.0x	24.4x	24.9x	28.8x	12%	21%	19%	8%	5%
Gland Pharma	Gland IN	22.9x	18.5x	20.5x	21.6x	14%	22%	19%	8%	4%
IQVIA Holdings	IQV US	15.8x	16.2x	17.3x	19.6x	6%	14%	13%	9%	3%
Average		20.9x	19.7x	20.9x	23.3x	10%	19%	17%	8%	4%
Median		22.9x	18.5x	20.5x	21.6x	12%	21%	19%	8%	4%
10% discount vs Avg		18.8x	17.7x	18.8x	21.0x					
Aji Healthcare						11%	29%	6%	N/A	2%

Source: company reports, Bloomberg, Bernstein analysis and estimates

EXHIBIT 19: Seasonings & Foods peergroup valuation and operating metrics

Seasonings & Foods		Valuation Comps				P&L Metrics				
		NTM EV/EBIT Multiple as of				3yr forecast CAGR		Last FY		3yr
	Ticker	5/21/2026	3 mth Avg	12 mth Avg	5yr Avg	Revenue	EBIT	EBIT Margin	ROIC	Margin Δ
Kikkoman	2801 JP	16.0x	16.6x	16.4x	23.5x	6%	5%	10%	9%	0%
McCormick	MCK US	12.3x	14.5x	17.8x	22.5x	18%	25%	16%	9%	3%
Givudan	GIVN SW	20.7x	20.6x	23.0x	28.7x	3%	5%	18%	12%	1%
Average		16.4x	17.2x	19.1x	24.9x	9%	12%	15%	10%	1%
Median		16.0x	16.6x	17.8x	23.5x	6%	5%	16%	9%	1%
Aji S&F						6%	11%	15%	21%	1%

Source: company reports, Bloomberg, Bernstein analysis and estimates

EXHIBIT 20: **Frozen Foods peergroup valuation and operating metrics**

		Valuation Comps				P&L Metrics				
Frozen Foods	Ticker	NTM EV/EBIT Multiple as of				3yr forecast CAGR		Last FY		3yr
		5/21/2026	3 mth Avg	12 mth Avg	5yr Avg	Revenue	EBIT	EBIT Margin	ROIC	Margin Δ
General Mills	GIS US	11.7x	12.3x	13.2x	15.0x	-2%	-6%	17%	10%	-2%
Conagra Brands	CAG US	10.9x	11.5x	12.2x	12.7x	-1%	-2%	12%	8%	0%
The Campbells Company	CPB US	10.9x	11.0x	11.9x	13.2x	-1%	3%	11%	8%	1%
Average		11.2x	11.6x	12.4x	13.6x	-1%	-2%	13%	9%	0%
Median		10.9x	11.5x	12.2x	13.2x	-1%	-2%	12%	8%	0%
15% discount vs Avg		9.5x	9.9x	10.5x	11.6x					
					Aji FF	4%	-25%	3%	5%	-2%

Source: company reports, Bloomberg, Bernstein analysis and estimates

Note: Ibiden, ASML and Hoya are covered by David Dai; Unimicron by Alex Wang; Lonza by Justin Smith; Kikkoman by Euan McLeish; McCormick, General Mills, Conagra Brands, Campbells Company by Alexia Howard; Global Foundries, Gland Pharma, IQVIA Holdings, Givudan are not covered by Bernstein.

EXHIBIT 21: **AJINOMOTO Income Statement**

AJINOMOTO Income Statement (in JPY million, unless otherwise stated)	FY3/24 Mar-24	FY3/25 Mar-25	FY3/26 Mar-26	FY3/27e Mar-27e	FY3/28e Mar-28e	FY3/29e Mar-29e
Revenue	1,439,231	1,530,556	1,583,719	1,743,173	1,869,328	1,984,844
Cost of Sales	(927,783)	(979,792)	(986,570)	(1,085,901)	(1,164,489)	(1,236,449)
Gross Profit	511,448	550,764	597,149	657,272	704,839	748,395
SG&A	(363,767)	(391,462)	(415,986)	(427,564)	(419,209)	(412,370)
Business Profit	147,681	159,302	181,163	229,708	285,630	336,025
Other operating income	20,487	4,936	48,589			
Other operating expenses	(21,486)	(50,269)	(30,339)			
EBIT	146,682	113,969	199,413	211,908	275,630	326,025
EBITDA	225,979	245,763	270,077	326,191	387,226	441,914
Financial income	7,775	8,792	9,020			
Financial expenses	(12,414)	(14,431)	(12,318)			
Profit before income taxes	142,043	108,330	196,115	208,010	271,732	322,127
Total Income Tax	(40,011)	(27,556)	(51,054)	(53,841)	(78,862)	(93,417)
Profit	102,032	80,774	145,061	154,169	192,870	228,710
Attributable to:						
Owners of the parent company	87,121	70,272	134,675	142,155	177,839	210,887
Non-controlling interests	14,911	10,502	10,386	12,014	15,030	17,823
Basic EPS (JPY)	83.7	69.8	138.4	151.5	190.5	225.8
Total shares outstanding (m)	1,043	1,006	978	953	953	953
Segmental Margins						
Seasonings and Foods	15.1%	14.9%	15.3%	16.3%	16.7%	17.1%
Frozen Foods	4.8%	4.6%	3.1%	1.7%	1.6%	1.7%
Healthcare and Others	12.0%	14.0%	20.0%	25.1%	32.3%	37.5%
Total	10.3%	10.4%	11.4%	13.2%	15.3%	16.9%
Key Ratios						
Revenue growth %	5.9%	6.3%	3.5%	10.1%	7.2%	6.2%
Business Profit growth %	9.1%	7.9%	13.7%	26.8%	24.3%	17.6%
EPS growth %	(4.8%)	(16.7%)	98.3%	9.5%	25.8%	18.6%
Business Profit margin %	10.3%	10.4%	11.4%	13.2%	15.3%	16.9%
Net profit margin %	6.1%	4.6%	8.5%	8.2%	9.5%	10.6%
ROIC %	6.5%	7.5%	8.1%	9.6%	10.3%	10.8%

Source: company reports, Bernstein analysis and estimates

EXHIBIT 22: **AJINOMOTO Balance Sheet**

Tangible fixed assets	587,407	581,330	647,381	659,376	666,225	668,689
Others	477,456	438,503	460,795	456,867	452,973	449,169
Non-Current Assets	1,064,863	1,019,833	1,108,176	1,116,243	1,119,198	1,117,858
Cash and deposits	171,537	164,776	106,693	196,383	352,832	553,947
Trade and other receivables	185,564	174,136	194,221	202,722	217,393	230,827
Inventories	287,122	286,952	318,632	333,278	357,398	379,483
Other	65,409	75,434	84,624	84,624	84,624	84,624
Current Assets	709,632	701,298	704,170	817,007	1,012,247	1,248,882
Total Assets	1,774,495	1,721,131	1,812,346	1,933,251	2,131,445	2,366,740
Long term debt	104,598	211,795	206,410	172,879	139,348	105,817
Others	284,367	311,475	312,597	312,594	312,594	312,594
Non-Current Liabilities	388,965	523,270	519,007	485,473	451,942	418,411
Notes and accounts payable-trade	231,979	240,614	303,960	299,702	321,391	341,252
Short term debt	97,553	5,923	6,350	6,350	6,350	6,350
Others	171,933	138,051	138,753	138,758	138,758	138,758
Total Current Liabilities	501,465	384,588	449,063	444,810	466,499	486,360
Total Liabilities	890,430	907,858	968,070	930,283	918,441	904,771
Total Equity	884,065	813,273	844,276	1,002,968	1,213,003	1,461,969
Total Liabilities and Equity	1,774,495	1,721,131	1,812,346	1,933,251	2,131,445	2,366,740
Net Debt/ EBITDA	1.2x	1.2x	1.2x	0.6x	0.0x	-0.5x

Source: company reports, Bernstein analysis and estimates

EXHIBIT 23: **AJINOMOTO Cash Flow Statement**

Net income before MI	142,043	108,330	196,115	208,010	271,732	322,127
Depreciation and amortisation	78,298	86,461	88,914	96,483	101,596	105,889
Net Change in Operating Working Capital	78,206	30,674	124,143	(27,406)	(17,101)	(15,659)
Others	(130,473)	(15,566)	(169,821)	-	-	-
Cash Flow rom Operating Activities	168,074	209,899	239,351	277,088	356,227	412,357
Net purchase of PP&E and intangible assets	(72,022)	(95,090)	(104,550)	(104,550)	(104,550)	(104,550)
Other	(60,412)	17,708	20,321	-	-	-
Cash Flow rom Investing Activities	(132,434)	(77,382)	(84,229)	(104,550)	(104,550)	(104,550)
Change in debt	77,382	(11,535)	(33,247)	(33,531)	(33,531)	(33,531)
Dividends paid	(38,406)	(39,136)	(43,159)	(49,317)	(61,696)	(73,161)
Others	(45,729)	(87,013)	(149,197)	-	-	-
Cash Flow rom Financing Activities	(6,753)	(137,684)	(225,603)	(82,848)	(95,227)	(106,692)
Effect of FX on changes in cash and cash equivalents	-	-	-	-	-	-
Net change in cash and cash equivalents	28,887	(5,167)	(70,481)	89,690	156,449	201,115
Cash and cash equivalents at end of period	171,537	164,776	106,693	196,383	352,832	553,947

Source: company reports, Bernstein analysis and estimates

BERNSTEIN TICKER TABLE

Ticker	Rating	Cur	25 May 2026	Price Target	TTM	Adjusted EPS				EV/EBITDA (x)		
			Closing Price		Rel. Perf.	Cur	2026A	2027E	2028E	2026A	2027E	2028E
2802.JP (Ajinomoto)	O	JPY	5,475.00	6,700.00	13.4%	JPY	138.36	151.45	190.45	21.3	17.6	14.8
OLD	M			5,100.00				148.80	175.87			
JPL			2,533.09									

RATING CHANGE / PRICE TARGET CHANGE / ESTIMATE CHANGE IN BOLD

O - Outperform, M - Market-Perform, U - Underperform, NR - Not Rated, CS - Coverage Suspended

Source: Bloomberg, Bernstein estimates and analysis.

DISCLOSURE APPENDIX

I. REQUIRED DISCLOSURES

References to "Bernstein" or the "Firm" in these disclosures relate to the following entities: Bernstein Institutional Services LLC (April 1, 2024 onwards), Sanford C. Bernstein & Co., LLC (pre April 1, 2024), Bernstein Autonomous LLP, BSG France S.A. (April 1, 2024 onwards), Sanford C. Bernstein (Hong Kong) Limited 盛博香港有限公司, Sanford C. Bernstein (Canada) Limited, Sanford C. Bernstein (India) Private Limited (SEBI registration no. INH000006378), Sanford C. Bernstein (Singapore) Private Limited, Sanford C. Bernstein Japan KK (サンフォード・C・バーンスタイン株式会社) and analysts employed by Société Générale Africa Technologies & Services to produce Bernstein research under a Global Services Agreement in place between Bernstein and Société Générale.

Bernstein is part of a joint venture between Société Générale (SG) and AllianceBernstein, L.P. (AB). Unless specifically noted otherwise, for purposes of these disclosures, references to Bernstein's "affiliates" relate to both SG and AB and their respective affiliates.

VALUATION METHODOLOGY**Ajinomoto Co Inc**

We set a JPY6,700 price target for Ajinomoto using an NTM P/E multiple of 35.0x against our forward NTM+1 EPS estimate of JPY190. This compares to an implied 34.8x FY3/28E P/E based on our DCF (8.5% WACC, 3.5% TVGR) and 35.2x P/E based on our SOTP analysis.

RISKS**Ajinomoto Co Inc**

Potential downside risks to our Price Target for Ajinomoto:

- Natural disaster results in supply chain disruption at single Functional Materials production site
- Entry of a new Build Up Film competitor / near term significant capacity expansion by existing competitor Sekisui
- IC packaging substrate technology advances reduce requirement for thermal barriers like ABF
- Competition from Chinese MSG producers spreads from B2B to branded products
- Value destructive M&A in Healthcare

RATINGS DEFINITIONS, BENCHMARKS AND DISTRIBUTION**EQUITY RATINGS DEFINITIONS****Bernstein brand**

The Bernstein brand rates stocks based on forecasts of relative performance for the next 12 months versus the S&P 500 for stocks listed on the U.S. and Canadian exchanges, versus the Bloomberg Europe Developed Markets Large and Mid Cap Price Return Index EUR (EDME) for stocks listed on the European exchanges and emerging markets exchanges outside of the Asia Pacific region, versus the Bloomberg Japan Large and Mid Cap Price Return Index USD (JPL) for stocks listed on the Japanese exchanges, and versus the Bloomberg Asia ex-Japan Large and Mid Cap Price Return Index (ASIA) for stocks listed on the Asian (ex-Japan) exchanges -unless otherwise specified.

The Bernstein brand has three categories of ratings:

- Outperform: Stock will outpace the market index by more than 15 pp
- Market-Perform: Stock will perform in line with the market index to within +/- 15 pp
- Underperform: Stock will trail the performance of the market index by more than 15 pp

Coverage Suspended: Coverage of a company under the Bernstein research brand has been suspended. Ratings and price targets are suspended temporarily, are no longer current, and should therefore not be relied upon.

Not Rated: A rating assigned when the stock cannot be accurately valued, or the performance of the company accurately predicted, at the present time. The covering analyst may continue to publish research reports on the company to update investors on events and developments.

Not Covered (NC) denotes companies that are not under coverage.

Bernstein brand stock ratings are based on a 12-month time horizon.

Autonomous brand – common stocks

The Autonomous brand rates common stocks as indicated below. As our benchmarks we use the Bloomberg Europe 500 Banks And Financial Services Index (BEBANKS) and Bloomberg Europe Dev Mkt Financials Large and Mid Cap Price Ret Index EUR (EDMFI) index for developed European banks and Payments, the Bloomberg Europe 500 Insurance Index (BEINSUR) for European insurers, the S&P 500 and S&P Financials for US banks and Payments coverage, S5LIFE for US Insurance, the S&P Insurance Select Industry (SPSIINS) for US Non-Life Insurers coverage, and the Bloomberg Emerging Markets Financials Large, Mid and Small Cap Price Return Index (EMLSF) for emerging market banks and insurers and Payments. Ratings are stated relative to the sector (not the market).

The Autonomous brand has three categories of common stock ratings:

- **Outperform (OP):** Stock will outpace the relevant index by more than 10 pp
- **Neutral (N):** Stock will perform in line with the market index to within +/-10 pp
- **Underperform (UP):** Stock will trail the performance of the relevant index by more than 10 pp

Coverage Suspended: Coverage of a company under the Autonomous research brand has been suspended. Ratings and price targets are suspended temporarily, are no longer current, and should therefore not be relied upon.

Not Rated: A rating assigned when the stock cannot be accurately valued, or the performance of the company accurately predicted, at the present time. The covering analyst may continue to publish research reports on the company to update investors on events and developments.

Those denoted as 'Feature' (e.g., Feature Outperform FOP, Feature Under Outperform FUP) are our core ideas.

Not Covered (NC) denotes companies that are not under coverage.

Autonomous brand common stock ratings are based on a 12-month time horizon.

Autonomous brand – preferred stocks

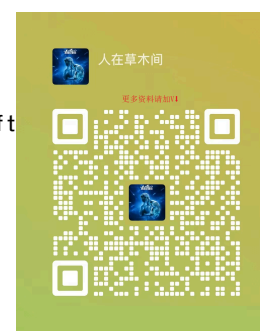
The Autonomous brand has three categories of preferred stock ratings:

- **Outperform (OP):** The total return of the preferred instrument is expected to outperform preferred securities of other issuers operating in similar sectors or rating categories over the next six months.
- **Neutral (N):** The total return of the preferred instrument is expected to perform in line with preferred securities of other issuers operating in similar sectors or rating categories over the next six months.
- **Underperform (UP):** The total return of the preferred instrument is expected to underperform preferred securities of other issuers operating in similar sectors or rating categories over the next six months.

Autonomous preferred stock ratings are based on a 6-month time horizon.

AUTONOMOUS CREDIT RESEARCH

Where this report contains investment recommendations for credit instruments, as defined in article 3(1)(35) of the Regulation, the information below is presented to comply with its disclosure requirements.



The report may also include reference(s) to published opinions by other Autonomous or Bernstein analysts covering the equity securities of the issuer(s) referenced herein. Please note an investment recommendation for credit instruments published by the author(s) of this report may differ from the published view of the analyst covering equity securities for the issuer(s) contained in this report and vice versa.

CREDIT RATINGS DEFINITIONS

The Autonomous brand has three categories of credit ratings:

- **Credit Outperform (C-OP):** The total return of the Reference Credit Instrument is expected to outperform the credit spread of bonds of other issuers operating in similar sectors or rating categories over the next six months.
- **Credit Neutral (C-N):** The total return of the Reference Credit Instrument is expected to perform in line with the credit spread of bonds of other issuers operating in similar sectors or rating categories over the next six months.
- **Credit Underperform (C-UP):** The total return of the Reference Credit Instrument is expected to underperform the credit spread of bonds of other issuers operating in similar sectors or rating categories over the next six months.

Autonomous credit ratings are based on a 6-month time horizon.

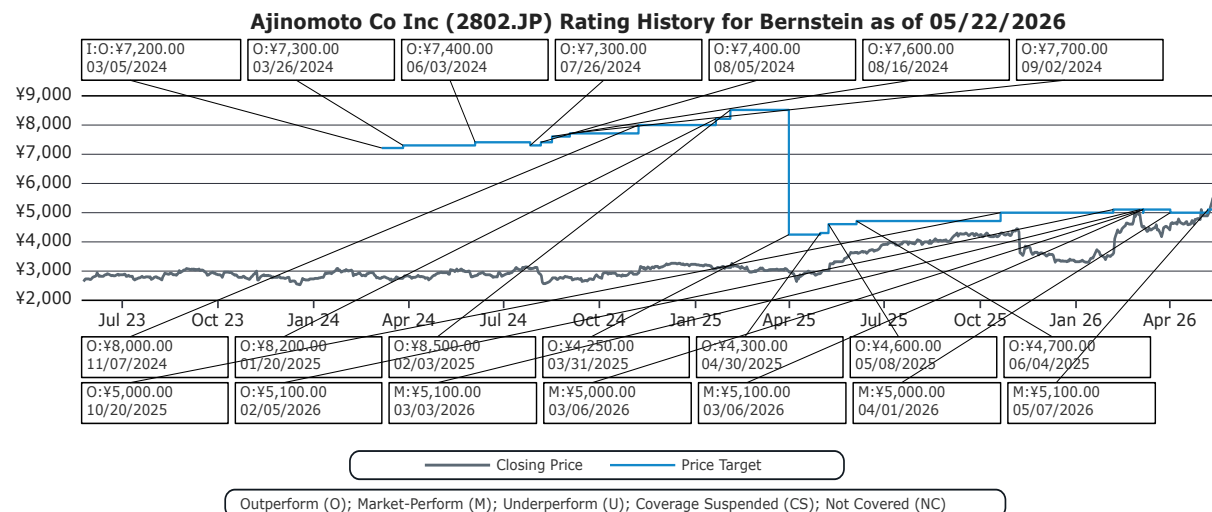
A list of all investment recommendations produced by the author(s) of this report alongside credit ratings history are available upon request.

It is at the sole discretion of the Firm as to when to initiate, update and cease research coverage. The Firm has established, maintains and relies on information barriers to control the flow of information contained in one or more areas (i.e. the private side) within the Firm, and into other areas, units, groups or affiliates (i.e. public side) of the Firm

DISTRIBUTION OF EQUITY RATINGS/INVESTMENT BANKING SERVICES

Equity Rating	Market Abuse Regulation (MAR) and FINRA Rating Category	Global Rating Distribution	Investment Banking Relationships*
Outperform	BUY	51.1%	16.5%
Market-Perform (Bernstein Brand) Neutral (Autonomous Brand)	HOLD	36.3%	17.8%
Underperform	SELL	12.6%	14.9%

* These figures represent the percentage of companies within each equity rating category for which affiliates of Bernstein have provided investment banking services within the previous 12 months.
As of March 31, 2026. All figures are updated quarterly.

PRICE CHARTS / RATINGS AND PRICE TARGET HISTORY

All price target and closing price data in the chart(s) above are denominated in the currency noted in the Ticker Table of this report.

CONFLICTS OF INTEREST

Bernstein and/or affiliates have received compensation for non-investment banking securities-related products or services in the previous twelve months from the following clients: Ajinomoto Co Inc.

OTHER MATTERS

The legal entity(ies) employing the analyst(s) listed in this report, and their location, can be determined by the country code of their phone number, as follows:

- +1 Bernstein Institutional Services LLC; New York, New York, USA
- +44 Bernstein Autonomous LLP; London UK
- +212 Société Générale Africa Technologies & Services; Casablanca, Morocco
- +33 BSG France S.A.; Paris, France
- +34 BSG France S.A.; Madrid, Spain
- +41 Bernstein Autonomous LLP; Geneva, Switzerland
- +49 BSG France S.A.; Frankfurt, Germany
- +91 Sanford C. Bernstein (India) Private Limited; Mumbai, India
- +852 Sanford C. Bernstein (Hong Kong) Limited 盛博香港有限公司; Hong Kong, China
- +65 Sanford C. Bernstein (Singapore) Private Limited; Singapore
- +81 Sanford C. Bernstein Japan KK; Tokyo, Japan

Where this report has been prepared by research analyst(s) employed by a non-US affiliate, such analyst(s), is/are (unless otherwise expressly noted below) not registered as associated persons of Bernstein Institutional Services LLC or any other SEC-registered broker-dealer and are not licensed or qualified as research analysts with FINRA. Accordingly, such analyst(s) may not be subject to FINRA's restrictions regarding (among other things) communications by research analysts with a subject company, interactions between research analysts and investment banking personnel, participation by research analysts in solicitation and marketing activities relating to investment banking transactions, public appearances by research analysts, and trading securities

held by a research analyst account.

Where this report has been prepared by research analyst(s) employed by Société Générale Africa Technologies & Services (part of the Société Générale group of companies), it has been prepared on behalf of a Bernstein company under a Global Services Agreement in place between Bernstein and Société Générale.

CERTIFICATION

Each research analyst listed in this report, who is primarily responsible for the preparation of the content of this report, certifies that all of the views expressed in this publication accurately reflect that analyst's personal views about any and all of the subject securities or issuers and that no part of that analyst's compensation was, is, or will be, directly or indirectly, related to the specific recommendations or views in this publication.

II. ADDITIONAL GLOBAL CONFLICT DISCLOSURES

It is at the sole discretion of the Firm as to when to initiate, update and cease research coverage. The Firm has established, maintains and relies on information barriers to control the flow of information contained in one or more areas (i.e., the private side) within the Firm, and into other areas, units, groups or affiliates (i.e., public side) of the Firm.

III. OTHER IMPORTANT INFORMATION AND DISCLOSURES

Separate branding is maintained for "Bernstein" and "Autonomous" research products.

- Bernstein produces a number of different types of research products including, among others, fundamental analysis and quantitative analysis under both the "Autonomous" and "Bernstein" brands. Recommendations contained within one type of research product may differ from recommendations contained within other types of research products, whether as a result of differing time horizons, methodologies or otherwise. Furthermore, views or recommendations within a research product issued under one brand may differ from views or recommendations under the same type of research product issued under the other brand. The Research Ratings System for the two brands and other information related to those Rating Systems are included in the previous section.
- Autonomous operates as a separate business unit within the following entities: Bernstein Institutional Services LLC, Bernstein Autonomous LLP, Sanford C. Bernstein (Hong Kong) Limited 盛博香港有限公司 and Sanford C. Bernstein (India) Private Limited. For information relating to "Autonomous" branded products (including certain Sales materials) please visit: www.autonomous.com. For information relating to Bernstein branded products please visit: www.bernsteinresearch.com.

Analysts are compensated based on aggregate contributions to the research franchise as measured by account penetration, productivity and proactivity of investment ideas. No analysts are compensated based on performance in, or contributions to, generating investment banking revenues.

This report has been produced by an independent analyst as defined in Article 3 (1)(34)(i) of EU 596/2014 Market Abuse Regulation ("MAR") and the same article of MAR as it forms part of United Kingdom domestic law by virtue of the European Union (Withdrawal) Act 2018.

To our readers in the United States: Bernstein Institutional Services LLC, a broker-dealer registered with the U.S. Securities and Exchange Commission ("SEC") and a member of the U.S. Financial Industry Regulatory Authority, Inc. ("FINRA") is distributing this publication in the United States and accepts responsibility for its contents. Where this material contains an analysis of debt product(s), such material is intended only for institutional investors and is not subject to the US independence and disclosure standards applicable to debt research prepared for retail investors.

Bernstein Institutional Services LLC may act as principal for its own account or as agent for another person (including an affiliate) in sales or purchases of any security which is a subject of this report. This report does not purport to meet the objectives or needs of any specific individuals, entities or accounts.

To our readers in Canada: If this publication pertains to a Canadian domiciled company, it is being distributed in Canada by Sanford C. Bernstein (Canada) Limited, which is licensed and regulated by the Canadian Investment Regulatory Organization. If the publication pertains to a non-Canadian domiciled company, it is being distributed by Bernstein Institutional Services LLC, which is licensed and regulated by both the SEC and FINRA, into Canada under the International Dealers Exemption.

This document may not be passed onto any person in Canada unless that person qualifies as "permitted client" as defined in Section 1.1 of NI 31-103.

To our readers in Brazil: This report has been prepared by Bernstein Institutional Services LLC, and Banco BTG Pactual S.A. ("BTG") is responsible for the distribution of this report in Brazil.

To readers in the United Kingdom: This publication has been issued or approved for issue in the United Kingdom by Bernstein Autonomous LLP, authorised and regulated by the Financial Conduct Authority and located at 60 London Wall, London EC2M 5SH, +44 (0)20-7170-5000. Registered in England & Wales No OC343985.

This document is for distribution only to persons who (i) have professional experience in matters relating to investments falling within Article 19(5) of the Financial Services and Markets Act 2000 (Financial Promotion) Order 2005 (as amended, the "Financial Promotion Order"), (ii) are persons falling within Article 49(2)(a) to (d) ("high net worth companies, unincorporated associations, etc.") of the Financial Promotion Order, (iii) are outside the United Kingdom, or (iv) are persons to whom an invitation or inducement to engage in investment activity (within the meaning of section 21 of the FSMA) in connection with the issue or sale of any securities may otherwise lawfully be communicated or caused to be communicated (all such persons together being referred to as "relevant persons"). This document is directed only at relevant persons and must not be acted on or relied on by persons who are not relevant persons. Any investment or investment activity to which this document relates is available only to relevant persons and will be engaged in only with relevant persons.

To our readers in the member states of the EEA: This publication is being distributed by BSG France SA, which is authorised and regulated by the Autorité de Contrôle Prudentiel et de Résolution (ACPR) and Autorité des Marchés Financiers (AMF).

To our readers in Hong Kong: This publication is being distributed in Hong Kong by Sanford C. Bernstein (Hong Kong) Limited 盛博香港有限公司, which is licensed and regulated by the Hong Kong Securities and Futures Commission (Central Entity No. AXC846) to carry out Type 4 (Advising on Securities) regulated activities and subject to the licensing conditions mentioned in the SFC Public Register (<https://www.sfc.hk/publicregWeb/corp/AXC846/details>). This publication is solely for professional investors, as defined in the Securities and Futures Ordinance (Cap. 571). The purpose of this report is solely to provide an analysis of the issuers referred to in this report and is not intended for any purpose contrary to the laws of Hong Kong.

To our readers in Singapore: This publication is being distributed in Singapore by Sanford C. Bernstein (Singapore) Private Limited, only to accredited investors or institutional investors, as defined in the Securities and Futures Act 2001 of Singapore ("SFA"). Recipients in Singapore should contact Sanford C. Bernstein (Singapore) Private Limited in respect of matters arising from, or in connection with, this publication. Sanford C. Bernstein (Singapore) Private Limited is regulated by the Monetary Authority of Singapore and licensed under the SFA as a capital markets services licence holder for dealing in capital markets products that are securities and collective investment schemes and an exempt financial adviser for advising on, issuing and promulgating analyses and reports on securities. Sanford C. Bernstein (Singapore) Private Limited is registered in Singapore with Company Registration No. 20213710W and located at One Raffles Quay, #27-11 South Tower, Singapore 048583, +65-6230-4612.

To our readers in the People's Republic of China: The securities referred to in this document are not being offered or sold and may not be offered or sold, directly or indirectly, in the People's Republic of China (for such purposes, not including the Hong Kong and Macau Special Administrative Regions or Taiwan, the "PRC") in contravention of any applicable laws of the PRC.

This document does not constitute an offer to sell or the solicitation of an offer to buy any securities in the PRC to any person to whom it is unlawful to make the offer or solicitation in the PRC.

We do not represent that this document may be lawfully distributed, or that any securities may be lawfully offered, in compliance with any applicable registration or other requirements in the PRC, or pursuant to an exemption available thereunder, or assume any responsibility for facilitating any such distribution or offering. In particular, no action has been taken by us which would permit a public offering of any securities or distribution of this document in the PRC. Accordingly, the securities are not being offered or sold within the PRC by means of this document or any other document. Neither this document nor any advertisement or other offering material may be distributed or published in the PRC, except under circumstances that will result in compliance with any applicable laws and regulations.

To our readers in Japan: This publication is being distributed in Japan by Sanford C. Bernstein Japan KK (サンフォード・C・バーンスタイン株式会社), which is registered in Japan as a Financial Instruments Business Operator with the Kanto Local Finance Bureau (registration number: The Director-General of Kanto Local Finance Bureau (FIBO) No.3387) and regulated by the Financial Services Agency. It is also a member of Japan Investment Advisers Association. This publication is solely for qualified institutional investors in Japan only, as defined in Article 2, paragraph (3), items (i) of the Financial Instruments and Exchange Act.

For the institutional client readers in Japan who have been granted access to the Bernstein website by Daiwa Securities Group Inc. ("Daiwa"), your access to this document should not be construed as meaning that Bernstein is providing you with investment advice for any purposes. Whilst Bernstein has prepared this document, your relationship is, and will remain with, Daiwa, and Bernstein has neither any contractual relationship with you nor any obligations towards you.

To our readers in Australia: Sanford C. Bernstein (Hong Kong) Limited 盛博香港有限公司 is responsible for distributing research in Australia. It is regulated by the Securities and Exchange Commission under U.S. laws, by the Financial Conduct Authority under U.K. laws, which differs from Australian laws. Sanford C. Bernstein (Hong Kong) Limited 盛博香港有限公司 is exempt from the requirement to hold an Australian financial services license under the Corporations Act 2001 in respect of the provision of the following financial services to wholesale clients:

- providing financial product advice;
- dealing in a financial product;
- making a market for a financial product; and
- providing a custodial or depository service.

To our readers in India: This publication is being distributed in India by Sanford C. Bernstein (India) Private Limited (SCB India) which is licensed and regulated by Securities and Exchange Board of India ("SEBI") as a research analyst entity under the SEBI (Research Analyst) Regulations, 2014, having registration no. INH000006378 and as a stock broker having registration no. INZ000213537. SCB India is currently engaged in the business of providing research and stock broking services. Please refer to www.bernsteinresearch.in for more information.

- SCB India is a Private limited company incorporated under the Companies Act, 2013, on April 12, 2017 bearing corporate identification number U65999MH2017FTC293762, and registered office at Level 3A, 4th Floor, First International Financial Centre, Plot Nos C-54 and C-55, G Block, Near CBI Office, Bandra Kurla Complex, Bandra (East), Mumbai 400098, Maharashtra, India (Phone No: +91-22-68421401).
- For details of Associates (i.e., affiliates/group companies) of SCB India, kindly email MUM-BERNSTEIN-InCompliance@bernsteinsg.com.
- SCB India does not have any disciplinary history as on the date of this report.
- Except as noted above, SCB India and/or its Associates (i.e., affiliates/group companies), the Research Analysts authoring this report, and their relatives
 - do not have any financial interest in the subject company
 - do not have actual/beneficial ownership of one percent or more in securities of the subject company;
 - is not engaged in any investment banking activities for Indian companies, as such;
 - have not managed or co-managed a public offering in the past twelve months for any Indian companies;
 - have not received any compensation for investment banking services or merchant banking services from the subject company in the past 12 months;
 - have not received compensation for brokerage services from the subject company in the past twelve months;
 - have not received any compensation or other benefits from the subject company or third party related to the specific recommendations or views in this report; and
 - do not currently, but may in the future, act as a market maker in the financial instruments of the companies covered in the report.
 - do not have any conflict of interest in the subject company as of the date of this report.
- Except as noted above, the subject company has not been a client of SCB India during twelve months preceding the date of distribution of this research report. Neither SCB India nor its Associates (i.e., affiliates/group companies) have received compensation for products or services other than investment banking, merchant banking or brokerage services from the subject company in the past twelve months.

- The principal research analyst(s) who prepared this report, members of the analysts' team, and members of their households are not an officer, director, employee or advisory board member of the companies covered in the report.
- Our Compliance officer / Grievance officer is Ms. Rupal Talati, who can be reached at +91-22-68421451, or MUM-BERNSTEIN-InCompliance@bernsteinsg.com / Scbin-investorgrievance@bernsteinsg.com
- The Research investor charter and Terms & Conditions of SCB India are available on its website and may be accessed at [Sanford C. Bernstein \(India\) Private Limited](https://bernsteinresearch.in/) (https://bernsteinresearch.in/) for your reference.
- Disclaimer: Registration granted by SEBI, and certification from NISM, is in no way a guarantee of performance of the intermediary or provide any assurance of returns to investors. Investments in securities market are subject to market risks. Read all the related documents carefully before investing.

To our readers in Switzerland: This document is provided in Switzerland by or through Bernstein Autonomous LLP, and is provided only to qualified investors as defined in article 10 of the Swiss Collective Investment Scheme Act ("CISA") and related provisions of the Collective Investment Scheme Ordinance and in strict compliance with applicable Swiss law and regulations. The products mentioned in this document may not be suitable for all types of investors. This document is based on the Directives on the Independence of Financial Research issued by the Swiss Bankers Association (SBA) in January 2008.

To our readers in the Middle East: Bernstein Autonomous LLP, DIFC branch has its principal office at Gate Village 06, DIFC, Dubai, UAE. Bernstein Autonomous LLP, DIFC branch is regulated by the Dubai Financial Services Authority (DFSA) with the registration number CL10040 and is provisioned for Arranging Deals in Investments and Advising on Financial Products. All communications and services are directed at Professional Clients and Market Counterparties only (as defined in the DFSA rulebook). Persons other than Professional Clients and Market Counterparties, such as Retail Clients, are not the intended recipients of our communications or services.

LEGAL

All research publications are disseminated to our clients through posting on the firm's password protected websites, bernsteinresearch.com and autonomous.com. Certain, but not all, research publications are also made available to clients through third-party vendors or redistributed to clients through alternate electronic means as a convenience.

This publication has been published and distributed in accordance with the Firm's policy for management of conflicts of interest in investment research, a copy of which is available from Bernstein Institutional Services LLC, Director of Compliance, 245 Park Avenue, New York, NY 10167. Additional disclosures and information regarding Bernstein's business are available on our website www.bernsteinresearch.com.

The securities described herein may not be eligible for sale in all jurisdictions or to certain categories of investors where that permission profile is not consistent with the licenses held by the entities noted herein. This document is for distribution only as may be permitted by law. This publication is not directed to, or intended for distribution to or use by, any person or entity who is a citizen or resident of, or located in any locality, state, country or other jurisdiction where such distribution, publication, availability or use would be contrary to law or regulation or which would subject any of the entities referenced herein or any of their subsidiaries or affiliates to any registration or licensing requirement within such jurisdiction. This publication is based upon public sources we believe to be reliable, but no representation is made by us that the publication is accurate or complete. We do not undertake to advise you of any change in the reported information or in the opinions herein. This publication was prepared and issued by entity referred to herein for distribution to eligible counterparties or professional clients. This publication is not an offer to buy or sell any security, and it does not constitute investment, legal or tax advice. The investments referred to herein may not be suitable for you. Investors must make their own investment decisions in consultation with their professional advisors in light of their specific circumstances. The value of investments may fluctuate, and investments that are denominated in foreign currencies may fluctuate in value as a result of exposure to exchange rate movements. Information about past performance of an investment is not necessarily a guide to, indicator of, or assurance of, future performance.

This report is directed to and intended only for our clients who are "eligible counterparties", "professional clients", "institutional investors" and/or "professional investors" as defined by the aforementioned regulators, and must not be redistributed to retail clients as defined by the aforementioned regulators. Retail clients who receive this report should note that the services of the entities noted herein are not available to them and should not rely on the material herein to make an investment decision. The result of such act will not hold the entities noted herein liable for any loss thus incurred as the entities noted herein are not registered/ authorised/ licensed to deal with retail clients and will not enter into any contractual agreement/arrangement with retail clients. This report is provided subject to the terms and conditions of any agreement that the clients may have entered into with the entities noted herein. All research reports are disseminated on a simultaneous basis to eligible clients through electronic publication to our client portal.

The information in this report was prepared by Bernstein solely for the internal business use of our clients. Clients may store, display, analyze, reformat and print the information in this report for this limited use only. Clients may not copy, alter, create derivative works, resell, reverse engineer, commercially exploit, share or distribute any part of the information contained herein for any purpose without Bernstein's express written consent. These restrictions include extracting data or using the content to develop indices or other products. Further, you may not use this report, or any portion of this report, to train or finetune any third-party machine learning or artificial intelligence system, or as a prompt or input into any such system. You also may not, without Bernstein's express written consent, do any of the foregoing in connection with your own internal machine learning or artificial intelligence system.

Bernstein may use artificial intelligence tools in the preparation of its materials. Any such materials are reviewed by Bernstein's research analysts prior to publication.

This report has been prepared for information purposes only and is based on current public information that we consider reliable, but the entities noted herein do not warrant or represent (express or implied) as to the sources of information or data contained herein are accurate, complete, not misleading or as to its fitness for the purpose intended even though the entities noted herein rely on reputable or trustworthy data providers, it should not be relied upon as such. Opinions expressed are the author(s)' current opinions as of the date appearing on the material only and we do not undertake to advise you of any change in the reported information or in the opinions herein.

This publication was prepared and issued by the entity referred to herein for distribution to eligible counterparties or professional clients. The information in this report is intended for general circulation and does not constitute an offer to buy or sell any security, investment, legal or tax advice nor a personal recommendation, as defined by any of the aforementioned regulators. It does not take into account the particular investment objectives, financial situations, or needs of individual investors. The report has not been reviewed by any of the aforementioned regulators and does not represent any official recommendation from the aforementioned regulators. The investments referred to herein may not be suitable for you. Investors must make their own investment decisions in consultation with advice sought from a financial adviser regarding the suitability of the investment product, taking into account the specific investment objectives, financial situation or particular needs of any recipient of the recommendation, before the recipient makes a commitment to purchase the investment product.

The analysis contained herein is based on numerous assumptions. Different assumptions could result in materially different results. The information in this report does not constitute, or form part of, any offer to sell or issue, or any offer to purchase or subscribe for shares, or to induce engage in any other investment activity. The value of any securities or financial instruments mentioned in this report may fluctuate subject to market conditions. Information about past performance of an investment is not necessarily a guide to, indicative of, or assurance of future performance. Estimates of future performance mentioned by the research analyst in this report are based on assumptions that may not be realized due to unforeseen factors like market volatility/fluctuation. In relation to securities or financial instruments denominated in a foreign currency other than the clients' home currency, movements in exchange rates will have an effect on the value, either favorable or unfavorable. Before acting on any recommendations in this report, recipients should consider the appropriateness of investing in the subject securities or financial instruments mentioned in this report and, if necessary, seek for independent professional advice.

The securities described herein may not be eligible for sale in all jurisdictions or to certain categories of investors where that permission profile is not consistent with the licenses held by the entities noted herein. This document is for distribution only as may be permitted by law. It is not directed to, or intended for distribution to or use by, any person or entity who is a citizen or resident of or located in any locality, state, country or other jurisdiction where such distribution, publication, availability or use would be contrary to law or regulation or would subject the entities noted herein to any regulation or licensing requirement within such jurisdiction.

Source: Bloomberg Index Services Limited. BLOOMBERG® is a trademark and service mark of Bloomberg Finance L.P. and its affiliates (collectively "Bloomberg"). Bloomberg or Bloomberg's licensors own all proprietary rights in the Bloomberg Indices. Neither Bloomberg nor Bloomberg's licensors approves or endorses this material, or guarantees the accuracy or completeness of any information herein, or makes any warranty, express or implied, as to the results to be obtained therefrom and, to the maximum extent allowed by law, neither shall have any liability or responsibility for injury or damages arising in connection therewith.

No part of this material may be reproduced, distributed or transmitted or otherwise made available without prior consent of the entities noted herein. Copyright Bernstein Institutional Services LLC Bernstein Autonomous LLP, BSG France S.A., Sanford C. Bernstein (Hong Kong) Limited 盛博香港有限公司, Sanford C. Bernstein (Canada) Limited, Sanford C. Bernstein (India) Private Limited (SEBI registration no. INH000006378), Sanford C. Bernstein (Singapore) Private Limited and Sanford C. Bernstein Japan KK (サンフォード・C・バーンスタイン株式会社). All rights reserved. The trademarks and service marks contained herein are the property of their respective owners. Any unauthorized use or disclosure is strictly prohibited. The entities noted herein may pursue legal action if the unauthorized use results in any defamation and/or reputational risk to the entities noted herein and research published under the Bernstein and Autonomous brands.