## **Growth Dynamics**

# Global Top 100 Global Chemical Companies



An analysis of the revenue growth performance of the world's largest Chemical Companies



## Growth Rate Summary by Revenue Segment

Revenue segmen	s in US\$	equivalent f	or the	dataset >>
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Parameter	Dataset	\$75-100B	\$50-75B	\$25-50B	\$10-25B	\$5-10B	\$1-5B
5Y-CAGR							
- # ranked	99	1	1	4	12	13	68
- Low	-4.0%	5.1%	-1.4%	1.7%	0.5%	-3.8%	-4.0%
- High	79.1%	5.1%	-1.4%	25.9%	28.7%	22.0%	79.1%
- Average	9.6%	5.1%	-1.4%	11.2%	9.9%	7.2%	10.2%
- Median	6.5%	5.1%	-1.4%	8.7%	7.3%	5.0%	6.5%
- #s, -ve growth	14	0	1	0	0	3	10
2V CACD							
<b>3Y-CAGR</b> - # ranked	100	1	1	4	12	13	69
- Low	-11.7%	15.1%	21.5%	5.4%	0.9%	-1.3%	-11.7%
- High	268.1%	15.1%	21.5%	46.5%	46.2%	42.8%	268.1%
- Average	19.1%	15.1%	21.5%	21.5%	20.3%	13.4%	19.9%
- Median	14.5%	15.1%	21.5%	17.0%	15.6%	8.1%	14.4%
- #s, -ve growth	11	0	0	0	0	2	9
LFY-GR							
- # ranked	100	1	1	4	12	13	69
- Low	-19.0%	32.9%	3.5%	22.1%	16.9%	-6.0%	-19.0%
- High	138.0%	32.9%	3.5%	65.0%	98.2%	94.2%	138.0%
- Avg	34.7%	32.9%	3.5%	44.6%	43.2%	26.6%	34.7%
- Median	32.3%	32.9%	3.5%	45.7%	42.8%	21.1%	32.5%
- #s, -ve growth	9	0	0	0	0	2	7
A 1 40 OD							
Avg L4Q-GR	00	4	4	4	40	44	0.4
- # ranked	93	1 7 50/	1 2.5%	4	12	11	64
- Low	-41.5%	17.5%	3.5%	17.9%	0.9%	-8.6%	-41.5%
- High	265.2%	17.5%	3.5%	71.6%	53.5%	41.0%	265.2%
- Avg	25.0%	17.5%	3.5%	35.5%	26.8%	13.3%	26.5%
- Median	17.8%	17.5%	3.5%	26.3%	24.3%	13.3%	17.4%
- #s, -ve growth	13	0	0	0	0	3	10

Avg L4Q-GR: Average latest four quarter growth rate as reported, where available | LFY: Latest fiscal year (YoY growth rate) | All growth rates have been calculated on reported currencies



### Revenue Growth Leaderboard: Top & Bottom 10 Companies

Avg L4Q-GR: Average latest four quarter growth rate, where reported | LFY: Latest fiscal year (YoY growth rate)
[Companies highlighted in blue or yellow, figure in the top or bottom companies list in each growth category]

Top 10 Companies: 5Y-CAGR									
Company	Country	rCurr.	Rev. Range	%					
Jiangsu SOPO Chemical Co. Ltd.	China	CNY	\$1-5B	79.1%					
CNSIG Inner Mongolia Chemical Industry Co.	China	CNY	\$1-5B	42.1%					
Hoshine Silicon Industry Co., Ltd.	China	CNY	\$1-5B	32.4%					
Sunstone Development Co., Ltd.	China	CNY	\$1-5B	30.3%					
Wanhua Chemical Group Co., Ltd.	China	CNY	\$10-25B	28.7%					
Ganfeng Lithium Co., Ltd.	China	CNY	\$1-5B	26.3%					
Rongsheng Petrochemical Co., Ltd.	China	CNY	\$25-50B	25.9%					
Inner Mongolia Junzheng Energy & Chemical Grp	China	CNY	\$1-5B	25.7%					
Xinjiang Tianye Co.,Ltd.	China	CNY	\$1-5B	24.6%					
Sahara International Petrochemical Company	S Arabia	SAR	\$1-5B	22.3%					

%
268.1%
63.3%
57.4%
54.5%
47.1%
46.5%
46.2%
44.6%
44.1%
42.8%

Top 10 Companie	Top 10 Companies: LFY (YoY)									
Company	Country	rCurr.	Rev. Range	%						
Hoshine Silicon Industry Co., Ltd.	China	CNY	\$1-5B	138.0%						
Jiangsu SOPO Chemical Co. Ltd.	China	CNY	\$1-5B	110.9%						
Shaanxi Heimao Coking Co., Ltd.	China	CNY	\$1-5B	108.6%						
Ganfeng Lithium Co., Ltd.	China	CNY	\$1-5B	102.1%						
Wanhua Chemical Group Co., Ltd.	China	CNY	\$10-25B	98.2%						
Xinxiang Chemical Fiber Co., Ltd.	China	CNY	\$1-5B	95.3%						
China Risun Group Limited	China	CNY	\$5-10B	94.2%						
Sahara International Petrochemical Company	S Arabia	SAR	\$1-5B	87.5%						
Do-Fluoride New Materials Co., Ltd.	China	CNY	\$1-5B	83.9%						
Braskem S.A.	Brazil	BRL	\$10-25B	80.4%						

Top 10 Companies: Avg L4Q (YoY)										
Company	Country	rCurr.	Rev. Range	%						
Ganfeng Lithium Co., Ltd.	China	CNY	\$1-5B	265.2%						
Zaklady Azotowe Pulawy S.A.	Poland	PLN	\$1-5B	118.1%						
Sunstone Development Co., Ltd.	China	CNY	\$1-5B	96.7%						
Jinneng Science&Techology Co.,Ltd	China	CNY	\$1-5B	80.3%						
Do-Fluoride New Materials Co., Ltd.	China	CNY	\$1-5B	76.7%						
Rongsheng Petrochemical Co., Ltd.	China	CNY	\$25-50B	71.6%						
Hubei Xingfa Chemicals Group Co., Ltd.	China	CNY	\$1-5B	62.0%						
Zhejiang Jiahua Energy Chemical Industry Co.	China	CNY	\$1-5B	60.6%						
LOTTE Fine Chemical Co., Ltd.	S Korea	KRW	\$1-5B	59.4%						
OCI Company Ltd.	S Korea	KRW	\$1-5B	56.0%						

### Revenue Growth Leaderboard: Top & Bottom 10 Companies

Avg L4Q-GR: Average latest four quarter growth rate, where reported | LFY: Latest fiscal year (YoY growth rate)
[Companies highlighted in blue or yellow, figure in the top or bottom companies list in each growth category]

Bottom 10 Companies: 5Y-CAGR									
Company	Country	rCurr.	Rev. Range	%					
Shenyang Chemical Industry Co., Ltd.	China	CNY	\$1-5B	-4.0%					
Huntsman Corporation	USA	USD	\$5-10B	-3.8%					
Taekwang Industrial Co., Ltd.	S Korea	KRW	\$1-5B	-2.9%					
OCI Company Ltd.	S Korea	KRW	\$1-5B	-2.8%					
Shanghai Huayi Group Corporation Limited	China	CNY	\$5-10B	-2.2%					
Yanbu National Petrochemical Company	S Arabia	SAR	\$1-5B	-2.0%					
China Man-Made Fiber Corporation	Taiwan	TWD	\$1-5B	-2.0%					
Yangmei Chemical Co.,Ltd	China	CNY	\$1-5B	-1.9%					
AK Holdings, Inc.	S Korea	KRW	\$1-5B	-1.7%					
Dow Inc.	USA	USD	\$50-75B	-1.4%					

Bottom 10 Comp	panies: 3Y-CAGR			
Company	Country	rCurr.	Rev. Range	%
Rayonier Advanced Materials Inc.	USA	USD	\$1-5B	-10.9%
YanAn Bicon Pharmaceutical Listed Company	China	CNY	\$1-5B	-9.4%
AK Holdings, Inc.	S Korea	KRW	\$1-5B	-8.2%
Holitech Technology Co., Ltd.	China	CNY	\$1-5B	-6.7%
Taekwang Industrial Co., Ltd.	S Korea	KRW	\$1-5B	-5.8%
Shenyang Chemical Industry Co., Ltd.	China	CNY	\$1-5B	-4.1%
SGL Carbon SE	Germany	EUR	\$1-5B	-3.7%
China Man-Made Fiber Corporation	Taiwan	TWD	\$1-5B	-2.2%
North Huajin Chemical Industries Co.,Ltd	China	CNY	\$5-10B	-1.3%
Nagase & Co., Ltd.	Japan	JPY	\$5-10B	-1.2%
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Bottom 10 Compa	Bottom 10 Companies: LFY (YoY)										
Company	Country	rCurr.	Rev. Range	%							
Rayonier Advanced Materials Inc.	USA	USD	\$1-5B	-19.0%							
Zhuzhou Times New Material Technology Co, Ltd	China	CNY	\$1-5B	-6.8%							
Nagase & Co., Ltd.	Japan	JPY	\$5-10B	-6.0%							
Holitech Technology Co., Ltd.	China	CNY	\$1-5B	-5.4%							
Yanbu National Petrochemical Company	S Arabia	SAR	\$1-5B	-5.2%							
Huntsman Corporation	USA	USD	\$5-10B	-5.1%							
Tronox Holdings plc	USA	USD	\$1-5B	-3.3%							
Methanex Corporation	Canada	USD	\$1-5B	-2.3%							
Nissan Chemical Corporation	Japan	JPY	\$1-5B	-0.5%							
Dow Inc.	USA	USD	\$50-75B	3.5%							

Bottom 10 Companies: Avg L4Q (YoY)								
Company	Country	rCurr.	Rev. Range	%				
Shenyang Chemical Industry Co., Ltd.	China	CNY	\$1-5B	-41.5%				
Holitech Technology Co., Ltd.	China	CNY	\$1-5B	-12.6%				
Zhuzhou Times New Material Technology Co, Ltd	China	CNY	\$1-5B	-12.5%				
Xinfengming Group Co., Ltd.	China	CNY	\$5-10B	-8.6%				
Shanghai Huayi Group Corporation Limited	China	CNY	\$5-10B	-6.7%				
Rayonier Advanced Materials Inc.	USA	USD	\$1-5B	-5.8%				
Yanbu National Petrochemical Company	S Arabia	SAR	\$1-5B	-5.2%				
Inner Mongolia Yuan Xing Energy Co.,Ltd	China	CNY	\$1-5B	-4.6%				
Tronox Holdings plc	USA	USD	\$1-5B	-3.3%				
Methanex Corporation	Canada	USD	\$1-5B	-2.3%				



Avg L4Q-GR: Average latest four quarter growth rate, where reported | LFY: Latest fiscal year (YoY growth rate)

Companies sorted by revenues in US\$ equivalent | Top 25 companies by rank highlighted in blue | All growth rates have been calculated on reported currencies

		Revenues 5Y-CAGR		AGR	3Y-C	AGR	LFY-GR		AvgL4	Q-GR				
rSegm.	Company	Country	rCurr.	LFY	US\$	rCurr.	%	Rank	%	Rank	%	Rank	%	Rank
[No of Comp	panies Ranked]:							[ 99 ]		[ 100 ]		[ 100 ]		[ 93 ]
\$75-100B	BASF SE	Germany	EUR	12-21	92.9B	78.6B	5.1%	59	15.1%	47	32.9%	49	17.5%	49
\$50-75B	Dow Inc.	USA	USD	12-22	56.9B	56.9B	-1.4%	90	21.5%	33	3.5%	91	3.5%	78
\$25-50B	Saudi Basic Industries Corporation	S Arabia	SAR	12-21	46.7B	174.9B	4.0%	64	11.9%	55	49.6%	22	32.1%	26
\$25-50B	LG Chem, Ltd.	S Korea	KRW	12-21	37.3B	42.7T	13.5%	27	22.1%	32	41.8%	32	20.6%	40
\$25-50B	Mitsubishi Chemical Group Corporation	Japan	JPY	03-22	35.4B	4.0T	1.7%	81	5.4%	76	22.1%	62	17.9%	46
\$25-50B	Rongsheng Petrochemical Co., Ltd.	China	CNY	12-21	27.5B	177.0B	25.9%	7	46.5%	6	65.0%	12	71.6%	6
\$10-25B	Sumitomo Chemical Company, Limited	Japan	JPY	03-22	24.6B	2.8T	6.0%	52	11.5%	58	20.9%	64	11.3%	65
\$10-25B	Wanhua Chemical Group Co., Ltd.	China	CNY	12-21	22.6B	145.5B	28.7%	5	46.2%	7	98.2%	5	28.2%	30
\$10-25B	Asahi Kasei Corporation	Japan	JPY	03-22	21.9B	2.5T	4.8%	61	7.0%	72	16.9%	70	11.8%	63
\$10-25B	Braskem S.A.	Brazil	BRL	12-21	19.6B	105.6B	21.0%	13	42.1%	11	80.4%	10	10.0%	68
\$10-25B	PTT Global Chemical Public Company Limited	Thailand	THB	12-22	19.5B	684.0B	7.2%	46	44.1%	9	45.8%	26	45.8%	15
\$10-25B	Shin-Etsu Chemical Co., Ltd.	Japan	JPY	03-22	18.4B	2.1T	9.5%	38	15.9%	42	38.6%	38	45.7%	16
\$10-25B	Lotte Chemical Corporation	S Korea	KRW	12-21	15.8B	18.1T	3.4%	70	9.5%	65	48.2%	24	35.6%	22
\$10-25B	Indorama Ventures Public Company Limited	Thailand	THB	12-21	14.7B	468.1B	13.1%	28	15.2%	45	41.2%	33	53.5%	11
\$10-25B	Solvay SA	Belgium	EUR	12-21	13.5B	11.4B	1.2%	83	0.9%	87	17.7%	67	46.0%	14
\$10-25B	Formosa Chemicals & Fibre Corporation	Taiwan	TWD	12-21	13.1B	365.8B	0.5%	84	7.7%	69	44.4%	28	13.0%	60
\$10-25B	Showa Denko K.K.	Japan	JPY	12-21	12.9B	1.4T	16.1%	23	25.1%	27	45.8%	27	0.9%	80
\$10-25B	Univar Solutions Inc.	USA	USD	12-22	11.5B	11.5B	7.4%	44	17.8%	39	20.3%	66	20.3%	41
\$5-10B	Celanese Corporation	USA	USD	12-22	9.7B	9.7B	7.8%	43	30.8%	19	13.3%	77	13.3%	59
\$5-10B	Hanwha Solutions Corporation	S Korea	KRW	12-21	9.4B	10.7T	3.5%	66	6.2%	73	16.6%	71	22.9%	35
\$5-10B	Nippon Sanso Holdings Corporation	Japan	JPY	03-22	8.5B	957.2B	10.3%	35	6.1%	74	17.0%	69	24.1%	33
\$5-10B	Tosoh Corporation	Japan	JPY	03-22	8.2B	918.6B	2.8%	73	8.1%	67	25.3%	59	17.8%	47
\$5-10B	Huntsman Corporation	USA	USD	12-22	8.0B	8.0B	-3.8%	98	15.5%	44	-5.1%	95	-0.5%	83
\$5-10B	Zhejiang Communications Technology Co., Ltd.	China	CNY	12-21	7.1B	46.1B	22.0%	11	26.2%	25	25.4%	58	10.9%	66
\$5-10B	Xinfengming Group Co., Ltd.	China	CNY	12-21	6.9B	44.8B	18.2%	19	14.5%	50	21.1%	63	-8.6%	90



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				R	evenue	S	5Y-C	AGR	3Y-C	AGR	LFY-GR		AvgL4Q-GR	
rSegm.	Company	Country	rCurr.	LFY	US\$	rCurr.	%	Rank	%	Rank	%	Rank	%	Rank
[No of Com	panies Ranked]:							[ 99 ]		[ 100 ]		[ 100 ]		[ 93 ]
\$5-10B	Nagase & Co., Ltd.	Japan	JPY	03-22	6.9B	780.6B	-0.1%	86	-1.2%	90	-6.0%	98	12.8%	61
\$5-10B	Shanghai Huayi Group Corporation Limited	China	CNY	12-21	6.2B	40.0B	-2.2%	95	2.9%	80	40.9%	35	-6.7%	89
\$5-10B	North Huajin Chemical Industries Co.,Ltd	China	CNY	12-21	6.0B	38.6B	3.4%	68	-1.3%	91	26.7%	57	41.0%	17
\$5-10B	China Risun Group Limited	China	CNY	12-21	6.0B	38.4B	19.8%	16	42.8%	10	94.2%	7	-	-
\$5-10B	Kuraray Co., Ltd.	Japan	JPY	12-21	5.7B	629.4B	5.0%	60	4.5%	78	16.2%	72	19.1%	44
\$5-10B	PETRONAS Chemicals Group Berhad	Malaysia	MYR	12-21	5.6B	23.0B	7.2%	45	18.6%	36	60.3%	17	-	-
\$1-5B	Methanex Corporation	Canada	USD	12-22	4.3B	4.3B	2.3%	76	27.5%	24	-2.3%	93	-2.3%	84
\$1-5B	Kolon Industries, Inc.	S Korea	KRW	12-21	4.1B	4.7T	0.3%	85	2.9%	81	15.5%	73	13.9%	57
\$1-5B	Kemira Oyj	Finland	EUR	12-22	3.8B	3.6B	8.3%	42	21.3%	34	33.5%	48	33.5%	23
\$1-5B	Green Plains Inc.	USA	USD	12-22	3.7B	3.7B	-1.2%	89	38.0%	15	29.6%	54	29.6%	29
\$1-5B	Hubei Xingfa Chemicals Group Co., Ltd.	China	CNY	12-21	3.7B	23.6B	10.6%	34	14.4%	52	28.9%	56	62.0%	7
\$1-5B	Ningxia Baofeng Energy Group Co., Ltd.	China	CNY	12-21	3.6B	23.3B	17.3%	21	31.0%	18	46.3%	25	-	-
\$1-5B	Tronox Holdings plc	USA	USD	12-22	3.5B	3.5B	17.4%	20	11.9%	54	-3.3%	94	-3.3%	85
\$1-5B	Denka Company Limited	Japan	JPY	03-22	3.4B	384.8B	-0.7%	87	0.5%	88	8.6%	82	8.8%	70
\$1-5B	Saudi Kayan Petrochemical Company	S Arabia	SAR	12-21	3.4B	12.7B	6.1%	51	15.2%	46	58.1%	19	9.8%	69
\$1-5B	Hoshine Silicon Industry Co., Ltd.	China	CNY	12-21	3.3B	21.3B	32.4%	3	54.5%	4	138.0%	1	-	-
\$1-5B	Nippon Shokubai Co., Ltd.	Japan	JPY	03-22	3.3B	369.3B	3.4%	67	10.6%	61	35.2%	42	22.3%	37
\$1-5B	PT Barito Pacific Tbk	Indonesia	USD	12-21	3.2B	3.2B	6.6%	49	14.6%	49	35.2%	41	8.0%	73
\$1-5B	Sinoma Science & Technology Co.,Ltd.	China	CNY	12-21	3.1B	20.3B	18.6%	17	22.2%	31	8.5%	83	-0.4%	82
\$1-5B	Inner Mongolia Junzheng Energy & Chemical Grp	China	CNY	12-21	3.0B	19.3B	25.7%	8	40.3%	14	30.4%	53	24.2%	32
\$1-5B	Shaanxi Heimao Coking Co., Ltd.	China	CNY	12-21	2.9B	18.9B	18.5%	18	41.9%	12	108.6%	3	30.9%	28
\$1-5B	Yangmei Chemical Co.,Ltd	China	CNY	12-21	2.9B	18.7B	-1.9%	92	2.2%	84	4.4%	90	1.1%	79
\$1-5B	OCI Company Ltd.	S Korea	KRW	12-21	2.8B	3.2T	-2.8%	96	11.6%	57	62.0%	14	56.0%	10
\$1-5B	Zhejiang Juhua Co., Ltd.	China	CNY	12-21	2.8B	18.0B	6.9%	47	7.4%	71	12.0%	78	22.4%	36
\$1-5B	AK Holdings, Inc.	S Korea	KRW	12-21	2.8B	3.2T	-1.7%	91	-8.2%	97	20.9%	65	19.7%	43



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			Revenues			5Y-CAGR		3Y-CAGR		LFY-GR		AvgL4Q-GR	
Company	Country	rCurr.	LFY	US\$	rCurr.	%	Rank	%	Rank	%	Rank	%	Rank
[No of Companies Ranked]:							[ 99 ]		[ 100 ]		[ 100 ]		[ 93 ]
Sahara International Petrochemical Company	S Arabia	SAR	12-21	2.7B	10.0B	22.3%	10	35.5%	16	87.5%	8	36.7%	20
Lenzing Aktiengesellschaft	Austria	EUR	12-21	2.6B	2.2B	-0.7%	88	2.1%	85	34.4%	44	27.1%	31
Zhejiang Longsheng Group Co.,Ltd	China	CNY	12-21	2.6B	16.7B	2.5%	74	-11.7%	100	6.8%	86	3.8%	77
Holitech Technology Co., Ltd.	China	CNY	12-21	2.5B	16.2B	1.8%	80	-6.7%	96	-5.4%	97	-12.6%	92
Dongyue Group Limited	China	CNY	12-21	2.5B	15.8B	11.8%	32	10.6%	60	57.7%	21	-	-
Lotte Chemical Titan Holding Berhad	Malaysia	MYR	12-21	2.4B	9.8B	5.9%	53	7.9%	68	42.4%	31	17.3%	50
Valhi, Inc.	USA	USD	12-21	2.3B	2.3B	5.1%	58	10.0%	64	24.1%	61	17.5%	48
Taekwang Industrial Co., Ltd.	S Korea	KRW	12-21	2.3B	2.6T	-2.9%	97	-5.8%	95	48.9%	23	23.5%	34
Korea Petrochemical Ind. Co., Ltd.	S Korea	KRW	12-21	2.2B	2.5T	9.0%	40	10.1%	62	33.6%	46	8.7%	71
Zhuzhou Times New Material Technology Co, Ltd	China	CNY	12-21	2.2B	14.1B	5.4%	56	11.8%	56	-6.8%	99	-12.5%	91
Hyosung Chemical Corporation	S Korea	KRW	12-21	2.1B	2.5T	-	-	16.3%	41	35.0%	43	21.2%	38
CNSIG Inner Mongolia Chemical Industry Co.	China	CNY	12-21	2.1B	13.4B	42.1%	2	15.6%	43	37.5%	39	46.9%	13
Shaanxi Beiyuan Chemical Industry Group Co.	China	CNY	12-21	2.0B	13.2B	8.3%	41	14.4%	51	33.5%	47	10.8%	67
Bluestar Adisseo Company	China	CNY	12-21	2.0B	12.9B	5.5%	55	7.5%	70	8.0%	84	15.8%	51
Rain Industries Limited	India	INR	12-21	2.0B	145.3B	6.6%	48	8.5%	66	39.3%	36	49.0%	12
AdvanSix Inc.	USA	USD	12-22	1.9B	1.9B	6.5%	50	29.6%	21	15.5%	74	15.5%	53
Sichuan Hebang Biotechnology Corporation Ltd	China	CNY	12-22	1.9B	13.0B	21.4%	12	57.4%	3	32.1%	51	32.1%	25
Inner Mongolia Yuan Xing Energy Co.,Ltd	China	CNY	12-21	1.9B	12.1B	4.2%	62	25.7%	26	57.8%	20	-4.6%	86
Yanbu National Petrochemical Company	S Arabia	SAR	12-22	1.9B	7.0B	-2.0%	94	18.1%	38	-5.2%	96	-5.2%	87
Xinjiang Tianye Co.,Ltd.	China	CNY	12-21	1.9B	12.0B	24.6%	9	63.3%	2	33.6%	45	15.4%	54
Jinneng Science&Techology Co.,Ltd	China	CNY	12-21	1.9B	12.0B	15.8%	24	21.2%	35	58.7%	18	80.3%	4
Nissan Chemical Corporation	Japan	JPY	03-22	1.8B	208.0B	1.8%	79	0.3%	89	-0.5%	92	6.4%	76
Zanyu Technology Group Co., Ltd.	China	CNY	12-21	1.7B	11.2B	12.8%	29	30.5%	20	43.5%	29	18.1%	45
Ganfeng Lithium Co., Ltd.	China	CNY	12-21	1.7B	11.2B	26.3%	6	44.6%	8	102.1%	4	265.2%	1
Tata Chemicals Limited	India	INR	03-22	1.7B	126.2B	5.3%	57	11.0%	59	25.1%	60	36.0%	21
	Sahara International Petrochemical Company Lenzing Aktiengesellschaft Zhejiang Longsheng Group Co.,Ltd Holitech Technology Co., Ltd. Dongyue Group Limited Lotte Chemical Titan Holding Berhad Valhi, Inc. Taekwang Industrial Co., Ltd. Korea Petrochemical Ind. Co., Ltd. Zhuzhou Times New Material Technology Co, Ltd Hyosung Chemical Corporation CNSIG Inner Mongolia Chemical Industry Co. Shaanxi Beiyuan Chemical Industry Group Co. Bluestar Adisseo Company Rain Industries Limited AdvanSix Inc. Sichuan Hebang Biotechnology Corporation Ltd Inner Mongolia Yuan Xing Energy Co.,Ltd Yanbu National Petrochemical Company Xinjiang Tianye Co.,Ltd. Jinneng Science&Techology Co.,Ltd Nissan Chemical Corporation Zanyu Technology Group Co., Ltd. Ganfeng Lithium Co., Ltd.	Sahara International Petrochemical Company Lenzing Aktiengesellschaft Zhejiang Longsheng Group Co.,Ltd China Holitech Technology Co., Ltd. China Dongyue Group Limited Lotte Chemical Titan Holding Berhad Malaysia Valhi, Inc. USA Taekwang Industrial Co., Ltd. S Korea Korea Petrochemical Ind. Co., Ltd. S Korea Zhuzhou Times New Material Technology Co, Ltd China Hyosung Chemical Corporation S Korea CNSIG Inner Mongolia Chemical Industry Co. China Shaanxi Beiyuan Chemical Industry Group Co. Bluestar Adisseo Company China Rain Industries Limited India AdvanSix Inc. USA Sichuan Hebang Biotechnology Corporation Ltd Inner Mongolia Yuan Xing Energy Co.,Ltd China Yanbu National Petrochemical Company Xinjiang Tianye Co.,Ltd. Jinneng Science&Techology Co.,Ltd China Nissan Chemical Corporation Japan Zanyu Technology Group Co., Ltd. China Ganfeng Lithium Co., Ltd.	Sahara International Petrochemical Company S Arabia SAR Lenzing Aktiengesellschaft Austria EUR Zhejiang Longsheng Group Co.,Ltd China CNY Holitech Technology Co., Ltd. China CNY Dongyue Group Limited China CNY Lotte Chemical Titan Holding Berhad Malaysia MYR Valhi, Inc. USA USD Taekwang Industrial Co., Ltd. S Korea KRW Korea Petrochemical Ind. Co., Ltd. S Korea KRW Zhuzhou Times New Material Technology Co, Ltd China CNY Hyosung Chemical Corporation S Korea KRW CNSIG Inner Mongolia Chemical Industry Co. China CNY Shaanxi Beiyuan Chemical Industry Group Co. China CNY Bluestar Adisseo Company China CNY Rain Industries Limited India INR AdvanSix Inc. USA USD Sichuan Hebang Biotechnology Corporation Ltd China CNY Inner Mongolia Yuan Xing Energy Co.,Ltd China CNY Yanbu National Petrochemical Company S Arabia SAR Xinjiang Tianye Co.,Ltd. China CNY Nissan Chemical Corporation Japan JPY Zanyu Technology Group Co., Ltd. China CNY	Company Country rCurr. LFY  Danies Ranked]:  Sahara International Petrochemical Company S Arabia SAR 12-21  Lenzing Aktiengesellschaft Austria EUR 12-21  Zhejiang Longsheng Group Co.,Ltd China CNY 12-21  Holitech Technology Co., Ltd. China CNY 12-21  Lotte Chemical Titan Holding Berhad Malaysia MYR 12-21  Lotte Chemical Titan Holding Berhad Malaysia MYR 12-21  Taekwang Industrial Co., Ltd. S Korea KRW 12-21  Korea Petrochemical Ind. Co., Ltd. S Korea KRW 12-21  Zhuzhou Times New Material Technology Co, Ltd China CNY 12-21  Hyosung Chemical Corporation S Korea KRW 12-21  CNSIG Inner Mongolia Chemical Industry Co. China CNY 12-21  Shaanxi Beiyuan Chemical Industry Group Co. China CNY 12-21  Rain Industries Limited India INR 12-21  AdvanSix Inc. USA USD 12-22  Inner Mongolia Yuan Xing Energy Co., Ltd China CNY 12-21  Inner Mongolia Yuan Xing Energy Co., Ltd China CNY 12-21  Jinneng Science&Techology Co., Ltd China CNY 12-21  Nissan Chemical Corporation Japan JPY 03-22  Zanyu Technology Group Co., Ltd. China CNY 12-21  Zanyu Technology Group Co., Ltd. China CNY 12-21  Zanyu Technology Group Co., Ltd. China CNY 12-21  Zanyu Technology Group Co., Ltd. China CNY 12-21	Company Country rCurr. LFY US\$  Danies Ranked]:  Sahara International Petrochemical Company S Arabia SAR 12-21 2.78  Lenzing Aktiengesellschaft Austria EUR 12-21 2.68  Zhejiang Longsheng Group Co.,Ltd China CNY 12-21 2.68  Holitech Technology Co., Ltd. China CNY 12-21 2.58  Dongyue Group Limited China CNY 12-21 2.58  Lotte Chemical Titan Holding Berhad Malaysia MYR 12-21 2.48  Valhi, Inc. USA USD 12-21 2.38  Korea Petrochemical Ind. Co., Ltd. S Korea KRW 12-21 2.38  Korea Petrochemical Ind. Co., Ltd. S Korea KRW 12-21 2.28  Zhuzhou Times New Material Technology Co, Ltd China CNY 12-21 2.28  Hyosung Chemical Corporation S Korea KRW 12-21 2.18  CNSIG Inner Mongolia Chemical Industry Co. China CNY 12-21 2.08  Bluestar Adisseo Company China CNY 12-21 2.08  Rain Industries Limited India INR 12-21 2.08  AdvanSix Inc. USA USD 12-22 1.98  Sichuan Hebang Biotechnology Corporation Ltd China CNY 12-22 1.98  Inner Mongolia Yuan Xing Energy Co., Ltd China CNY 12-21 1.98  Yanbu National Petrochemical Company S Arabia SAR 12-22 1.98  Xinjiang Tianye Co., Ltd. China CNY 12-21 1.98  Nissan Chemical Corporation Japan JPY 03-22 1.88  Zanyu Technology Group Co., Ltd. China CNY 12-21 1.78  Ganfeng Lithium Co., Ltd. China CNY 12-21 1.78	Company         Country         rCurr.         LFY         US\$         rCurr.           branies Ranked]:         Sahara International Petrochemical Company         S Arabia         SAR         12-21         2.7B         10.0B           Lenzing Aktiengesellschaft         Austria         EUR         12-21         2.6B         2.2B           Zhejiang Longsheng Group Co., Ltd         China         CNY         12-21         2.6B         16.7B           Holitech Technology Co., Ltd.         China         CNY         12-21         2.5B         16.2B           Dongyue Group Limited         China         CNY         12-21         2.5B         15.8B           Lotte Chemical Titan Holding Berhad         Malaysia         MYR         12-21         2.4B         9.8B           Valhi, Inc.         USA         USD         12-21         2.3B         2.3B           Taekwang Industrial Co., Ltd.         S Korea         KRW         12-21         2.3B         2.6T           Korea Petrochemical Ind. Co., Ltd.         S Korea         KRW         12-21         2.2B         2.5T           Zhuzhou Times New Material Technology Co., Ltd         China         CNY         12-21         2.2B         14.1B           Hysoung Chemical Corporation<	Company         Country         rCurr.         LFY         US\$         rCurr.         %           branies Ranked]:         Sahara International Petrochemical Company         S Arabia         SAR         12-21         2.78         10.08         22.3%           Lenzing Aktiengesellschaft         Austria         EUR         12-21         2.68         2.28         -0.7%           Zhejiang Longsheng Group Co.,Ltd         China         CNY         12-21         2.68         16.7B         2.5%           Holitech Technology Co., Ltd.         China         CNY         12-21         2.58         16.2B         1.8%           Dongyue Group Limited         China         CNY         12-21         2.58         16.2B         1.8%           Lotte Chemical Titan Holding Berhad         Malaysia         MYR         12-21         2.48         9.8B         5.9%           Valhi, Inc.         USA         USD         12-21         2.38         2.38         5.1%           Taekwang Industrial Co., Ltd.         S Korea         KRW         12-21         2.38         2.6T         -2.9%           Korea Petrochemical Ind. Co., Ltd.         S Korea         KRW         12-21         2.2B         14.1B         5.4%	Company   Country   Curr.   LFY   US\$   rCurr.   %   Rank   Panies Ranked :   [99]	Company   Country   Court.   Country   Co	Company   Country   Coun	Company   Country   Curr.   Chry   US\$   Curr.   Chry   US\$   Curr.   Chry   US\$   Curr.   Chry   US\$   Curr.   Chry   Chry	Company   Country   Cur.   CFY   US\$   Cur.   K   Rank   Rank	Company   Country   Court   Country   Court   Country   Court   Country   Country



Avg L4Q-GR: Average latest four quarter growth rate, where reported | LFY: Latest fiscal year (YoY growth rate)
Companies sorted by revenues in US\$ equivalent | Top 25 companies by rank highlighted in blue | All growth rates have been calculated on reported currencies

				R	evenue	S	5Y-CAGR		3Y-CAGR		LFY-GR		AvgL4Q-GR	
rSegm.	Company	Country	rCurr.	LFY	US\$	rCurr.	%	Rank	%	Rank	%	Rank	%	Rank
[No of Companies Ranked]:						[ 99 ]		[ 100 ]		[ 100 ]		[ 93 ]		
\$1-5B	Nippon Kayaku Co., Ltd.	Japan	JPY	03-22	1.6B	184.8B	2.4%	75	2.7%	82	6.6%	87	7.8%	74
\$1-5B	Westlake Chemical Partners LP	USA	USD	12-22	1.6B	1.6B	5.5%	54	28.4%	23	31.1%	52	31.1%	27
\$1-5B	Shenyang Chemical Industry Co., Ltd.	China	CNY	12-21	1.6B	10.1B	-4.0%	99	-4.1%	94	5.8%	89	-41.5%	93
\$1-5B	LOTTE Fine Chemical Co., Ltd.	S Korea	KRW	12-21	1.6B	1.8T	11.3%	33	16.5%	40	40.9%	34	59.4%	9
\$1-5B	ISU Chemical Co., Ltd	S Korea	KRW	12-21	1.5B	1.7T	3.1%	72	6.0%	75	29.1%	55	37.0%	19
\$1-5B	China Sanjiang Fine Chemicals Company Limited	China	CNY	12-21	1.5B	9.5B	1.6%	82	1.7%	86	14.1%	76	-	-
\$1-5B	Sunstone Development Co., Ltd.	China	CNY	12-21	1.5B	9.5B	30.3%	4	47.1%	5	61.7%	15	96.7%	3
\$1-5B	Toagosei Co., Ltd.	Japan	JPY	12-21	1.4B	156.3B	1.9%	77	3.8%	79	17.2%	68	8.3%	72
\$1-5B	Rayonier Advanced Materials Inc.	USA	USD	12-21	1.4B	1.4B	10.0%	37	-10.9%	99	-19.0%	100	-5.8%	88
\$1-5B	H&R GmbH & Co. KGaA	Germany	EUR	12-21	1.4B	1.2B	3.8%	65	5.1%	77	36.1%	40	39.4%	18
\$1-5B	Chemtrade Logistics Income Fund	Canada	CAD	12-22	1.4B	1.8B	3.2%	71	14.6%	48	32.5%	50	32.5%	24
\$1-5B	Zhejiang Jiahua Energy Chemical Industry Co.	China	CNY	12-21	1.4B	9.0B	12.6%	30	29.2%	22	60.9%	16	60.6%	8
\$1-5B	Kukdo Chemical Co., Ltd.	S Korea	KRW	12-21	1.4B	1.6T	10.0%	36	18.6%	37	39.2%	37	15.8%	52
\$1-5B	Zaklady Azotowe Pulawy S.A.	Poland	PLN	12-21	1.4B	5.5B	12.0%	31	23.8%	28	71.2%	11	118.1%	2
\$1-5B	Jinan Shengquan Group Share Holding Co., Ltd.	China	CNY	12-21	1.4B	8.8B	15.1%	25	22.5%	30	6.1%	88	13.8%	58
\$1-5B	Nippon Soda Co., Ltd.	Japan	JPY	03-22	1.4B	152.5B	1.9%	78	2.7%	83	9.5%	81	19.9%	42
\$1-5B	Xinxiang Chemical Fiber Co., Ltd.	China	CNY	12-21	1.4B	8.7B	20.8%	14	34.9%	17	95.3%	6	-0.3%	81
\$1-5B	Anhui Wanwei Updated High-Tech Material Co	China	CNY	12-21	1.3B	8.1B	14.6%	26	12.9%	53	14.9%	75	7.1%	75
\$1-5B	Jiangsu SOPO Chemical Co. Ltd.	China	CNY	12-21	1.2B	8.0B	79.1%	1	268.1%	1	110.9%	2	14.4%	55
\$1-5B	Jiangxi Black Cat Carbon Black Inc.,Ltd	China	CNY	12-21	1.2B	7.9B	3.4%	69	10.1%	63	42.6%	30	21.0%	39
\$1-5B	Do-Fluoride New Materials Co., Ltd.	China	CNY	12-21	1.2B	7.8B	20.0%	15	41.7%	13	83.9%	9	76.7%	5
\$1-5B	SGL Carbon SE	Germany	EUR	12-21	1.2B	1.0B	4.0%	63	-3.7%	93	9.5%	80	14.1%	56
\$1-5B	KuibyshevAzot, PJSC	Russia	RUB	12-21	1.2B	87.5B	16.3%	22	23.4%	29	64.9%	13	-	-
\$1-5B	YanAn Bicon Pharmaceutical Listed Company	China	CNY	12-21	1.2B	7.7B	9.3%	39	-9.4%	98	10.2%	79	11.3%	64
\$1-5B	China Man-Made Fiber Corporation	Taiwan	TWD	12-21	1.2B	33.0B	-2.0%	93	-2.2%	92	7.2%	85	12.2%	62



### Methodology, Data Sources, Limitations

#### What is the data source for this report?

This report has been compiled from our online analytical tool, <u>Global Public Companies - Revenue Dashboard (aranca.com</u>). Data for this analytical tool in turn has been curated from income statements that we source from a vendor of Financial APIs, and supplemented with inputs from company filings, where required.

#### Does the Revenue and Rankings dashboard cover all publicly-traded companies?

We estimate our coverage to currently be in the range of 95%, with data on some frontier markets being the main gap. Our ende avor is to reach a 99% coverage level as soon as possible. To that extent, we acknowledge that we may have missed out on one or two companies of interest to you in a particular industry or country.

#### What is your basis of segmentation or classification?

From a segmentation perspective, we have currently used standard industrial classification and HQ country as filters. Going forward, Aranca will leverage its extensive internal expertise of global markets / industries to build its own taxonomy (sub-segments) for different industries. This will make the benchmarking exercise even more relevant and insightful.

#### How frequently are these reports updated?

We will be updating these reports once a fortnight to ensure that latest filings from across the globe are captured as frequently as possible.

#### Have been growth rates been calculated based on reported currency?

All growth rates presented in this report have been calculated based on reported currency, unless otherwise specified. US\$ equivalent revenues, calculated from time-series exchange rate data, have been used to rank companies based on sales

#### How accurate is your dataset?

While we have implemented several measures to ensure accuracy of the information provided here, there are chances of errors in 1% of cases. These errors are mainly around filing date mismatches, reporting currency and data missing for some guarters.

#### What are the terms and conditions relating to use of this dataset and the online dashboard?

The data here can be used for supporting internal business or investment decisions. All information is provided on an 'as-is" and "as-available" basis, and we make no representations or warranties of any kind, express or implied, as to the content or material included on this document or on the website tool. No content may be reproduced, republished, sold, licensed, or otherwise exploited for any commercial purpose whatsoever, without our prior written permission.

#### Where can we get more information on a company or industry?

You can leverage our online analytical tool, Global Public Companies - Revenue Dashboard (aranca.com), for more information on over 27,500 global companies



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