

# **MMi Dashboard**

### **Iron Ore Price Indices**

Iron Ore Port Stock (FOT Qingdao)
IOPI62 62% Fe Fines RMB/t

1

810

12 1.50%

Aug 1st, 2022

Iron Ore Port Stock (FOT Qingdao)
IOPI65 65% Fe Fines RMB/t

940
12.00 1.29%

Iron Port Stock (FOT Qingdao)
IOPI58 58% Fe Fines RMB/t

690
5 0.73%

Iron Ore Seaborne (CFR Qingdao)
IOSI62 62% Fe Fines USD/dmt

\_\_\_ 117.85

0.00 0.00%

Aug 1st, 2022

Iron Ore Seaborne (CFR Qingdao) IOSI65 65% Fe Fines USD/dmt

Aug 1st, 2022

Aug 1st, 2022

\_\_\_ 133.50

0.00

0.00%

Iron Ore Port Stock (FOT Qingdao)
IOPLI 62.5% Fe Lump RMB/t

890
89 11.11%
Week Ending Jul 29th, 2022

Aug 1st, 2022

### **Exchange Traded Contracts**

DCE Iron Ore 62% Fines I2209 (Jan) RMB/t (3pm close)



787.00

5.00 0.64%

Aug 1st, 2022 (3pm close)

C3, Tubarao - Qingdao USD/t

SGX Iron Ore (CFR Qingdao) 62% Fe Fines
September 22 USD/dmt

114.90

-0.90 -0.78%

Aug 1st, 2022 (5.30 pm Print)

SHFE Rebar
RB2210 (Jan) RMB/t

4093
97 2.43%

Aug 1st, 2022 (3pm close)

## **Freight Rates**



25.95

-2.31 -8.18%

Jul 29th, 2022



**Steel Price** 

Steel Rebar (China Domestic) RMB/t

1

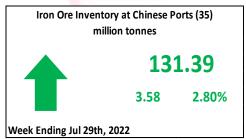
4050

180 4.65%

Week Ending Jul 29th, 2022

Week Ending Jul 29th, 2022

### **Inventory Levels**



Steel Inventory in China million tonnes

14.60
-1.01 -6.47%

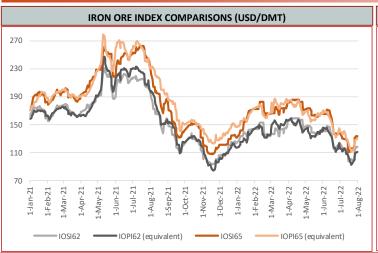
Week Ending Jul 29th, 2022

# Steel HRC (China Domestic) RMB/t 3950 150 3.95%

**Steel Price** 

www.mmiprices.com Page 1/6 Aug 1st, 2022

MMi D	aily Iron O	re Inde	x Report											Aug 1s	t, 2022		
IRON ORE PORT STOCK INDEX (IOPI)																	
Aug 1st, 20	022		FOT Q	ingdao	(inc. 13% \	/AT), RMB/wet			CFR Q	ingdao	Equivaler	nt (exc. 13%	% VAT), USD	/dry tonne	1		
Index	Fe Content	Price	Change	Change	e % MTI	O YTD	Low <sup>2</sup>	High <sup>2</sup>	Pri	ce Cha	inge C	hange %	MTD	YTD	Low <sup>2</sup>	High <sup>2</sup>	
IOPI62	62% Fe Fines	810	12	1.5%	6 810	936	587	1355	111	.49 1.	66	1.5%	106.26	134.18	84.25	197.56	
IOPI58	58% Fe Fines	690	5	0.7%	6 690	769	454	1090	95.	42 <b>0</b> .	68	0.7%	94.48	110.52	64.78	159.72	
IOPI65	65% Fe Fines	940	12	1.3%	6 940	1111	811	1595	130.	028 1.	65	1.3%	126.88	160.03	111.38	233.00	
		IF	RON ORE SEA	ABORN	E INDEX (I	OSI)						MARK	ET COMM	ENTARY			
Aug 1st, 20	022			CFR	Qingdao, L	SD/dry tonne		DCE iron ore was was shocked sharply all the day. The main contract closed at 787 increased of 0.83%. Traders are actively motivated to ship, Speculative demand increases. Steel mills are mainly on the sidelines, and market turnover continues to pick up. PBF at Shandong port dealt 79									
Index	Fe Content	Price	Change	Chang	ge % M1	D YTD	Low <sup>2</sup>	High <sup>2</sup>	-795 yan/mt, increase 3-15 yan/mt than last week. On the supply side, according to SMM statistics, from July 25 to July 31, the global iron ore shipments to China were 21.21 million tons, an increase of 8.2% month on month. Among them, the volume of shipments from Maztralial China increased by 9.6% month on month, and the volume of shipments from Brazil to China decreased by 22.8% month on month. The shipment volume of the four major mines increased lightly. On the demand side, some steel mills will resume production smoothly in early								
IOSI62	62% Fe Fine			0.00			93.75	205.05	August, a expected	nd the increased de , and some steel mil	mand for raw I Is are still in th	materials will sup ie wait-and-see st	pport the ore price. H tage, and the numbe	owever, the recovery r of blast furnaces may	of terminal demand y increase slowly. In a	is still less than	
IOSI65	65% Fe Fine	es <b>133.5</b>	0.00	0.00	125		108.20				reased recent	iy, and it is expec	ted that the ore prio	es may fluctuate in the	e snort term.		
Week Ending Jul 29th, 2022 FOT Qingdao (inc. 13% VAT), RMB/wet tonne										<u> </u>	:		-+ / 130	/ \/AT\ LICD	/	3	
	1	Drice			•	**		Himb 2	Dei			•		6 VAT), USD	Low 2		
Index IOPLI62	Fe Content 62.5% Fe Lump	Price 890	W-o-W 89	Change 11.19			Low <sup>2</sup> 730	High <sup>2</sup> 1745	117			Change % 11.48%	MTD 120.36	YTD 161.25	101.31	High <sup>2</sup> 244.28	
IOPLIOZ	02.3% FE LUMP	830				CONCENTRA								101.23	101.51	244.28	
Maal, Fad	ing had 20th 20	122	IKU	N ORE I	DOMESTIC				SIVIEIN	13 AND CO	JIVIPUS			(accelerations	3		
Province	ing Jul 29th, 20	Produc		Pasis	This we		onne (exclu	Low 2	u:	ah 2	This w			(excluding t		High <sup>2</sup>	
Hebei	Region Hanxing		Concentrate	Basis	888	ek Chango		779		gh²	131.		Change % -3.19%	110.		255.69	
Hebei	Qian'an		Concentrate	'	885	2.3%		780			131.		2.28%	110.		251.57	
Liaoning	Anshan		Concentrate	'	720	-2.79		620			106.0		-2.73%	87.4		202.32	
Shandong	Zibo		Concentrate		911	-3.19		800 1752			134.9		-3.11%	122.		272.32	
	g Jul 29th, 2022	037010				Change %	Low <sup>2</sup>	High <sup>2</sup>	_	hange rate applied: RMB/USD = 6.7522							
											te applied: I	RMB/USD =6.	7521				
		IRC	N ORE SE	ABORN	IE INDEX	, CFR QING	GDAO (USD	/DMT)									
2000 —							320 —										
1800 —		In	<b>\</b> .					270 ——									
1600 -		My	7							17	ሎላ	l					
1400 - 1200 -	~~~	سرما (م	199			m		220	بمرمر	الم كرممر	لمسرا	1			_		
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800 -			1/1/				W	120 ——				. 6				M	
600 - 400 -			Y	1				70		T T T	. 4 .			2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2 2	2 2	
1-Jan-21	1+eb-21 1-Mar-21 1-Apr-21	1-May-21 1-Jun-21 1-Jul-21	1-Aug-21 1-Sep-21 1-Oct-21	1-Nov-21 1-Dec-21	1-Jan-22 1-Feb-22	1-Mar-22 1-Apr-22 1-May-22 1-Jun-22	1-Jul-22 1-Aug-22	1-Jan-21	1-reb-21	1-Apr-21 1-May-21 1-Jun-21	1-Jul-21	1-Aug-21 1-Sep-21 1-Oct-21	1-0cc-21 1-Nov-21 1-Dec-21	1-Jan-22 1-Feb-22 1-Mar-22	1-Apr-22 1-May-22	1-Jun-22 1-Jul-22 1-Aug-22	
H.	17 17			를 걸 • 8PI58	—— IOPI6		1-7		· -	~ ÷ ·		— IOSI62	—— IOS		4	. 4	
A 4 -1 -2		l				OCK INDEX MO		QUARTERLY	AND					· · · · · · · · · · · · · · · · · · ·	. /		
Aug 1st, 20	Fe Content	April	May	June	July	/AT), RMB/wet MTD	QTD	YTD	M		ne	June	July	% VAT), USD MTD	QTD	YTD	
IOPI62	62% Fe Fines	1030	981	934	770	810	772	936	150	-		130.13	106.01	106.26	106.26	134.18	
IOPI58	58% Fe Fines	874	841	823	682	690	682	769	128			115.45	94.43	94.48	94.48	110.52	
IOPI65	65% Fe Fines	1206	1152	1086	915	940	916	1111	176	.31 161	L.44	151.89	126.73	126.88	126.88	160.03	
IROI	N ORE SEABO	RNE INDE	X MONTHLY	r, QUAI	RTERLY AN	ID YEAR-TO-D	ATE AVER	RAGES				FR	REIGHT RA	TES			
Aug 1st, 20	022			CFR	Qingdao, U	SD/dry tonne			Jul 29th	, 2022			FREIGHT R	ATES - DRY BUL	K US\$/wet tor	nne	
Index	Fe Content	April	May	June	e July	MTD	QTD	YTD	Route		Designat	tion	Change	Change %	Low <sup>2</sup>	High <sup>2</sup>	
IOSI62	62% Fe Fine	s 155.13	3 141.17	131.9	96 110.0	7 <b>110.44</b>	110.44	137.00	W. Aust	ralia - Qingdao	C5	9.75	-0.05	-0.51%	3.57	16.77	
IOSI65	65% Fe Fine	s 181.23	166.30	154.1	17 124.6	<b>125.03</b>	125.03	160.76	Tubarao	- Qingdao	СЗ	25.95	-2.31	-8.18%	6.70	36.40	
			IRO	ON ORE	PORT LUI	MP INDEX MO	ONTHLY, O	UARTERLY	AND Y	EAR-TO-D	ATE AV	/ERAGES					
Week Ending	Jul 29th, 2022		FOT C	ingdao	(inc. 13% \	/AT), RMB/we	t tonne			CFR Q	ingdao	Equivale	nt (exc. 139	% VAT), USD	dry tonne	1	
Index	Fe Content	April	May	June	e July	MTD	QTD	YTD	Ар	ril M	lay	June	July	MTD	QTD	YTD	
IOPLI62	62.5% Fe Lump	1328	1232	1189	9 906	906	906	906 1167 187.99 164.53 159.78 120.36 <b>120.36</b> 120.36 161					161.25				
						IRON ORE I	INDEX PRE	EMIUMS/DI	scour	NTS							
Aug 1st, 20	22			PORT S	STOCK INDE	(RMB/WT)		Aug 1st, 202	;, 2022 SEABORNE INDEX (USD/DI			SD/DMT)					
Index		ontent	•	to IOPI6	2	% Spread to I		Index	Fe Content Spread to IOSI62 % Spread to IO				IOSI62				
IOPI58 IOPI65		e Fines e Fines		120 .30		-14.81% 16.05%		105165		65% Fe Fi	nes		15.65		13.28	%	
	1,01																





IRON ORE BRAND SPOT PRICE ASSESMENTS												
Aug 1st, 2022	PORT	STOCK INDEX (F	RMB/WT)	Aug 1st, 2022	SEABO	D/DMT)						
	Price	Change	Diff to IOPI62		Price	Change	Diff to IOSI62					
Roy Hill	751	12	-59	Roy Hill	113.35	0.00	-4.50					
SIMEC Fines	681	12	-129	SIMEC Fines	109.85	0.00	-8.00					
PB Fines	779	12	-31	PB Fines	114.10	0.00	-3.75					
Newman Fines	796	12	-14	Newman Fines	117.00	0.00	-0.85					
MAC Fines	753	12	-57	MAC Fines	114.10	0.00	-3.75					
Jimblebar Blended Fines	672	12	-138	Jimblebar Blended Fines	106.50	0.00	-11.35					
Carajas Fines	989	13	179	Carajas Fines	147.40	0.00	29.55					
Brazilian SSF	773	13	-37	Brazilian SSF	121.60	0.00	3.75					
Brazilian Blend Fines	789	11	-21	Brazilian Blend Fines	123.25	0.00	5.40					
RTX Fines	693	12	-117	RTX Fines	107.75	0.00	-10.10					
West Pilbara Fines	722	12	-88	West Pilbara Fines	112.10	0.00	-5.75					

Aug 1st, 2022	PORT STOCK INDEX (RMB/WT)								
	Price	Change	Diff to IOPI58						
SSF	690	5	0						
FMG Blended Fines	698	5	8						
Robe River	694	5	4						
Western Fines	702	5	12						
Atlas Fines	696	5	6						
Yandi	685	5	-5						

Beilun

Dalian

Caofeidian

0.00

10.00

0.00

10.00

0.00

Jiangyin

Jingtang

Lanqiao

Tallul		003		<u> </u>	-5							
				IRON ORE IN	DEX NORM	ALISA	ATION DIFFE	RENTIALS				
Po	ort Stock Index	Product Differe	ntials (RME	3/wet tonne)			S	eaborne Index	Product Dif	ferentials (U	SD/dry tonne)	
	Ар	plicable range		Value	Change			Ар	Applicable range			Change
	High Grade	Fe 60 - 63%		10.00	0.00			High Grade	Fe 60 - 63%		3.25	0.00
	High Grade	Fe 63 - 64%		43.00	0.00			High Grade	Fe 63 - 64%		2.00	0.00
1% Fe	High Grade	Fe 64 - 65%		43.00	0.00	1%	Fe	High Grade	Fe 64 - 65%		2.00	0.00
	High Grade	Fe 65 - 65.5%		43.00	0.00			High Grade	Fe 65 - 65.5	%	2.00	0.00
	Low Grade	Fe		18.00	0.00							
	High Fe Gra	de Al <2.25%		26.00	0.00			High Fe Gra	ade Al <2.259	%	0.25	0.00
1% Alumina	High Fe Grade Al 2.25-4%			5.00	0.00	10/	Alumaina	High Fe Gra	ade Al 2.25-4	·%	2.00	0.00
1% Alumina	Low Fe Grade Al <2.25%			100.00	0.00	1%	Alumina					
	Low Fe Grad	de Al 2.25-4%		5.00	0.00							
	High Fe Gra	de Si <4%		5.00	0.00			High Fe Gra	ade Si <4%		3.25	0.00
1% Silica	High Fe Gra	de Si 4-6.5%		5.00	0.00	1%	Silica	High Fe Gra	ade Si 4 - 6.5	%	5.50	0.00
	Low Fe Grad	de		12.00	0.00							
0.040/	High Fe Gra	de 0.09% <p<0.1< td=""><td>15%</td><td>5.00</td><td>0.00</td><td>0.0</td><td>1%</td><td>High Fe Gra</td><td>ade 0.09%<p< td=""><td>&lt;0.115%</td><td>2.25</td><td>0.00</td></p<></td></p<0.1<>	15%	5.00	0.00	0.0	1%	High Fe Gra	ade 0.09% <p< td=""><td>&lt;0.115%</td><td>2.25</td><td>0.00</td></p<>	<0.115%	2.25	0.00
0.01%	High Fe Gra	de 0.115% <p<0.< td=""><td>15%</td><td>5.00</td><td>0.00</td><td>Pho</td><td>sphorus</td><td>High Fe Gra</td><td>de 0.115%&lt;</td><td>P&lt;0.15%</td><td>3.25</td><td>0.00</td></p<0.<>	15%	5.00	0.00	Pho	sphorus	High Fe Gra	de 0.115%<	P<0.15%	3.25	0.00
Phosphorus	Low Fe Grad	de 0.09 <p<0.1%< td=""><td></td><td>5.00</td><td>0.00</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></p<0.1%<>		5.00	0.00							
			Port Stoc	k Price Differen	tials to Qing	dao P	ort for PB Fin	es (RMB/wet to	nne)			
Port	Value	Change	Port	Value	Chang	ge	Port	Value	Change	Port	Value	Change
Bayuquan	-100.00	0.00	Fangcheng	-25.00	0.00	)	Lanshan	0.00	0.00	Rizhao	0.00	0.00

0.00

0.00

0.00

Lianyungang

Majishan

Qingdao

0.00

0.00

0.00

0.00

0.00

0.00

Shekou

Taicang

Tianjin

-30.00

0.00

0.00

0.00

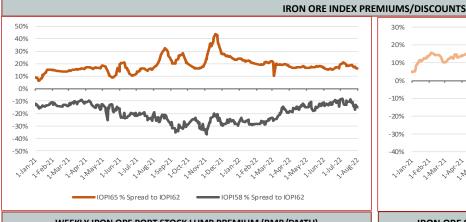
-40.00

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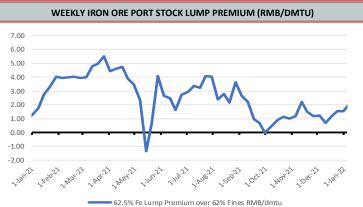
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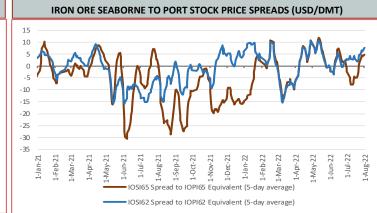
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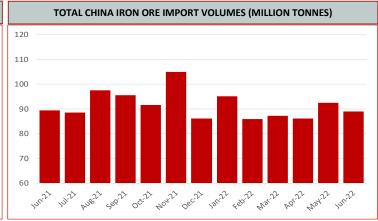


II	IRON ORE PORT INVENTORIES (MILLION TONNES)											
Week Ending Jul 29th, 2022												
Province	This week	Change %	Low <sup>2</sup>	High <sup>2</sup>								
Jingtang	11.27	5.43%	9.84	19.20								
Qingdao	24.26	0.83%	9.41	26.24								
Caofeidian	9.95	-3.02%	9.05	16.29								
Tianjin	10.28	4.05%	7.14	12.97								
Rizhao	16.89	6.49%	9.44	19.26								
Total (35 Ports)	131.39	2.80%	98.80	155.39								

	D	CE (RMB/WN	1T)	SGX (USD/DMT)					
Closing Date	Au	g 1st, 3pm cl	ose	Aug 1st, 5:30pm					
Contract	12209	Change	Change %	Sep. 22	Change	Change %			
Closing Price	787.00	5.00	0.64%	114.90	-0.90	-0.78%			
Vol traded ('000 lots)	57.65	9.48	19.67%	5.19	-1.46	-21.99%			
Open positions ('000 lots)	54.59	0.96	1.80%	32.02	1.16	3.75%			
Day Low	780.0	12.00	1.56%	113.25	0.95	0.85%			
Day High	817.5	24.00	3.02%	120.95	1.50	1.26%			
	Contract Closing Price Vol traded ('000 lots) Open positions ('000 lots) Day Low	Closing Date         Au           Contract         12209           Closing Price         787.00           Vol traded ('000 lots)         57.65           Open positions ('000 lots)         54.59           Day Low         780.0	Closing Date         Aug 1st, 3pm cl           Contract         I2209         Change           Closing Price         787.00         5.00           Vol traded ('000 lots)         57.65         9.48           Open positions ('000 lots)         54.59         0.96           Day Low         780.0         12.00	Contract         I2209         Change         Change %           Closing Price         787.00         5.00         0.64%           Vol traded ('000 lots)         57.65         9.48         19.67%           Open positions ('000 lots)         54.59         0.96         1.80%           Day Low         780.0         12.00         1.56%	Closing Date         Aug 1st, 3pm close         A           Contract         I2209         Change         Change %         Sep. 22           Closing Price         787.00         5.00         0.64%         114.90           Vol traded ('000 lots)         57.65         9.48         19.67%         5.19           Open positions ('000 lots)         54.59         0.96         1.80%         32.02           Day Low         780.0         12.00         1.56%         113.25	Closing Date         Aug 1st, 3pm close         Aug 1st, 5:30p           Contract         12209         Change         Change %         Sep. 22         Change           Closing Price         787.00         5.00         0.64%         114.90         -0.90           Vol traded ('000 lots)         57.65         9.48         19.67%         5.19         -1.46           Open positions ('000 lots)         54.59         0.96         1.80%         32.02         1.16           Day Low         780.0         12.00         1.56%         113.25         0.95			

**IRON ORE FUTURES CONTRACTS** 

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10 ac 1	4-Feb-21	4-Mar-21	4-Apr-21	ay-21	nn-21	4-Jul-21	4-Aug-21	4-Sep-21	4-0ct-21	4-Nov-21	4-Dec-21	4-Jan-22	4-Feb-22	4-Mar-22	4-Apr-22	4-May-22	4-Jun-22	4-Jul-22	
-	4-Fe	4-M	4-A	₩- ₩	4-Jun-21	4-1	4-Aı	4-56	4-0	4-N	4-D	4-1	4-F	4-M	4-A	₽-₩	4-Jı	4-1	
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Mivil Daily Iron Ore Index Repor	τ					Aug 1st, 2022
STEEL SPOT MARKI	ET PRICES—CHIN	NA.	CHIN	ESE STEEL MILL PRO	OFITABILITY	
Steel Spot Market RMB/tonne				SMM Tracking	of Steel Mill P&L - Rebar and Ho	ot-rolled Coil (RMB/tonne)
Product	2022/7/29	Change	Change %	Category	Price Change (WoW	
ReBar HRB400 ф18mm	4,050	180	4.65%	MMi (Fe 62%), USD/mt exluding tax Coke	115.10 -23 2,560 -240	Mmi CFR Equivalent index for 1st Feb  2nd grade met coke, Tangshan, incl. tax
Wirerod Q300 φ6.5mm	4,520	180	4.15%	Steel Scrap	2,670 0	steel scrap (6mm) in Zhangjiagang, exl. tax
HRC Q235/SS400 5.5mm*1500*C	3,950	150	3.95%	Billet Cost	3,482 152	Q234, incl. tax
				Rebar cost - Blast furnace	3,968 171	calculated based on theoretical weight, incl. tax
CRC SPCC/ST12 1.0mm*1250*2500	4,400	60	1.38%	Rebar profit - Blast furnace	52 -21	based on Shanghai prices, incl. tax
Medium & Heavy Plate Q235B 20mm	4,150	50	1.22%	Hot-rolled coil cost - Blast furnace Hot-rolled coil proft - Blast furnace	3,931 176 19 -26	based on actual weight, incl. tax based on Shanghai prices, incl. tax
GI ST02Z 1.0mm*1000*C	4,760	60	1.28%			cout our management, sales, financial and depreciations f
Colour Coated Plate	7,550	-50	-0.66%	2. The cost refers to average cost in the industry	based on SMM's survey of smal	l, medium and large mills in China
CHINESE STEEL	INVENTORIES			CHIN	ESE STEEL MILL PRO	OFITABILITY
3-0ct-20 - 3-10n-21 -	3-Aug-21 - 3-Sep-21 - 3-Oct-21 - 3-Oct-21 - 3-Nov-21 - 3-Dec-21 -		6 3-4µ7-22 S 3-4µ7-22 S 3-1u1-22 -	3.7 Bebar Produce Repar Produce Repair Produce Re	3-Aug-21 3-Aug-21 3-Aug-21 3-Aug-21 3-3-26p-21 3-3-2-2 3-2-2	3-0dr-21 3-0dr-21 3-1an-22 3-1an-22 3-1an-22 3-1an-22 3-1an-22 3-1un-22 3-1un-22
CHINESE STEEL MILL P	ROFITARII ITY—I	Rehar		CHINESE STEE	I MILI PROFITARII	.ITY—Hot-rolled Coil
2019 2020		2022		2019		2021 —2022
1000 500 01 02 03 04 05 0 -1000	6 07 08 0	09 10	11 12	1000 t	04 05 06 0	7 08 09 10 11 12
CHINESE STEEL CON	SUMPTION—Re	bar		CHINESE ST	TEEL CONSUMPTION	N—Hot-rolled Coil
2019 2020 5500 4000 2500 1000 -500 01 2 03 04 05 06	07 08 09	9 10	11 12	2019 4000 3600 3200 2800 2400	2020	2021 2022
-2000				01 02 03 04	05 06 07	08 09 10 11 12
CHINESE STEEL PRO	DUCTION—Reb	ar		CHINESE S	TEEL PRODUCTION	—Hot-rolled Coil
—— 2019 —— 2020 4500 ——	2021	2022		3600	2020	2021 — 2022
3500 3000 2500 2000 01 02 03 04 05 06	07 08 05	9 10	11 12	3400 3200 3000 2800 01 02 03 04	05 06 07	08 09 10 11 12

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### IRON ORE INDEX SPECIFICATIONS, COMPILATION RATIONALE AND DATA EXCLUSIONS Iron Ore Index Specifications (Port and Seaborne) Iron Ore Index Compilation Rationale and Data Exclusions 65% Fe Fines 62% Fe Fines 58% Fe Fines 62.5% Fe Lump MMi iron ore indices are compiled from data provided by companies that are part of the iron ore supply chain and involved in spot market transactions. The 62.00 Fe % 65.00 58.00 62.50 indices are calculated using detailed transaction-level data submitted to MMi by Alumina % 1.40 2.25 2.25 1.50 these companies. This data is normalised to the appropriate specifications and screened to remove outliers before volume-weighted average prices are Silica% 1.50 4.00 5.50 3.50 calculated from the remaining core set of data. Phosphorus % 0.06 0.09 0.05 0.08 For more details on MMi's iron ore methodology please download the guide Sulphur % 0.01 0.02 0.02 0.02 published on our website at: www.mmiprices.com Moisture % 9.00 4.00 8.00 8.00 Granular size below 10mm for at least 90% of cargo; Size below 6.3mm max 15% Sizing maximum of 40% below 150 micron Size above 31.15mm max 25% Qingdao Port (FOT and CFR respectively) FOT Qingdao Port **Pricing Point** ump Index 62.5 Loading within 4 weeks, Delivery within 8 weeks \* Number of price submissions for iron ore indices that were excluded from Timing (Seaborne) Delivery within 2 weeks index calculations today as they were anomalous and could not be verified **Payment Terms** L/C at sight L/C at sight or CAD

### IRON ORE DOMESTIC CONCENTRATE INDEX CALCULATION METHODOLOGY

The compilation method for price index generally refers to the compilation method of CPI price index and other price indices, breakdown the price data and calculate the average value according to a certain method, taking the vertical axis as the regional composite index (average of different grade index) and the horizontal axis as the grade composite index (average of different regional index), a total composite index for domestic ore can be output ultimately. The process system is also adopted in the calculation i.e. each sub-index can be obtained as well.

		AVER	AGE IRON	ORE SPECIF	ICATIONS A	PPLIED FOR BRAND PRICE A	SSESSMEN	тs					
	PORT	STOCK BRAN	IDS		SEABORNE BRANDS								
Aug 1st, 2022	Specific	ations appli	ed for 62%	brand asse	ssments		Specifications applied for 62% brand assessments						
	Fe	Alumina	Silica	Phos	Moisture		Fe	Alumina	Silica	Phos	Moisture		
Roy Hill	60.88%	2.35%	4.45%	0.055%	9.26%	Roy Hill	60.70%	2.30%	4.90%	0.055%	8.00%		
SIMEC Fines	60.00%	2.30%	6.30%	0.060%	6.00%	SIMEC Fines	60.00%	2.30%	6.30%	0.060%	6.00%		
PB Fines	61.64%	2.31%	3.87%	0.099%	9.45%	PB Fines 62%	62.00%	2.60%	4.30%	0.090%	9.50%		
Newman Fines	62.49%	2.31%	3.98%	0.090%	7.72%	Newman Fines	62.30%	2.40%	4.30%	0.095%	8.00%		
MAC Fines	60.43%	2.38%	4.64%	0.078%	7.57%	MAC Fines	60.80%	2.35%	4.40%	0.075%	7.80%		
Jimblebar Blended Fines	60.87%	2.95%	4.53%	0.111%	7.32%	Jimblebar Blended Fines	60.50%	3.10%	4.80%	0.120%	7.80%		
Carajas Fines	64.90%	1.39%	1.82%	0.080%	7.78%	Carajas Fines	65.10%	1.50%	1.70%	0.080%	8.50%		
Brazilian SSF	62.00%	1.00%	6.50%	0.040%	6.00%	Brazilian SSF	62.00%	1.00%	6.50%	0.040%	6.00%		
Brazilian Blend Fines	62.56%	1.58%	4.79%	0.091%	8.72%	Brazilian Blend Fines	63.00%	1.50%	5.00%	0.070%	7.00%		
RTX Fines	61.00%	3.10%	4.50%	0.135%	7.50%	RTX Fines	61.00%	3.10%	4.50%	0.135%	7.50%		
West Pilbara Fines	60.10%	2.30%	4.70%	0.075%	8.50%	West Pilbara Fines	60.10%	2.30%	4.70%	0.075%	8.50%		
Aug 1st, 2022	Specific	ations appli	ed for 58%	brand asse	ssments								
	Fe	Alumina	Silica	Phos	Moisture								
SSF	56.49%	3.20%	6.19%	0.065%	9.18%								
FMG Blended Fines	58.20%	2.43%	5.54%	0.057%	8.29%								
Robe River	56.44%	3.16%	5.73%	0.042%	8.44%								
Western Fines	57.88%	2.87%	7.50%	0.062%	7.45%								
Atlas Fines	58.00%	1.85%	5.50%	0.090%	9.00%								
Yandi	56.87%	1.58%	6.41%	0.042%	9.53%								

	BLOOMBERG TICKERS												
	PORT STO	OCK INDICES		SEABORNE INDICES									
	FOT Qingdao (RMB/wet tonne)	CFR Qingdao Equivalent (USD/dry tonne)		CFR Qingdao (USD/DMT)									
IOPI62	IRCNQ001	IRCNQ004	10SI62	IRCN0034									
IOPI58	IRCNQ002	IRCNQ005	IOSI65	IRCN0035									
IOPI65	IRCNQ003	IRCNQ006											
IOPL162	IRCN0036	IRCN0037											

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