

MMi Dashboard

Iron Ore Price Indices





738

9 1.23%

May 20th, 2020

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



878

9 1.04%

May 20th, 2020

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



653

20 3.16%

May 20th, 2020

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



96.35

-1.35 -1.38%

May 20th, 2020

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



114.75

-1.35 -1.16%

May 20th, 2020

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



805

1

0.12%

Week Ending May 15th, 2020

Exchange Traded Contracts

DCE Iron Ore 62% Fines I2009 (Sep) RMB/t (3pm close)



704.50

-6.50 -0.91%

May 20th, 2020

(3pm close)

SGX Iron Ore (CFR Qingdao) 62% Fe Fines
May'20 USD/dmt



93.98

-1.62 -1.69%

May 20th, 2020 (5.30 pm Print)

SHFE Rebar RB2010 (Oct) RMB/t



3531

-31.00 -0.87%

May 20th, 2020

(3pm close)

Freight Rates

C3, Tubarao - Qingdao USD/t



May 19th, 2020

7.46

0.30 4.12%

C5, W. Australia - Qingdao USD/t



4.46

0.30 7.12%

May 19th, 2020

Steel Rebar (China Domestic) RMB/t

Steel Price

21

3530

0.00%

Week Ending May 15th, 2020

Inventory Levels

Iron Ore Inventory at Chinese Ports (35) million tonnes



101.79

-1.17 -1.14%

Week Ending May 15th, 2020

Steel Inventory in China

million tonnes



19.63

-1.67 -7.86%

Week Ending May 15th, 2020

Steel Price

Steel HRC (China Domestic) RMB/t

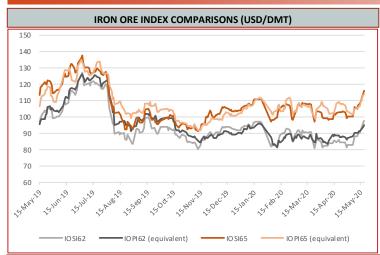


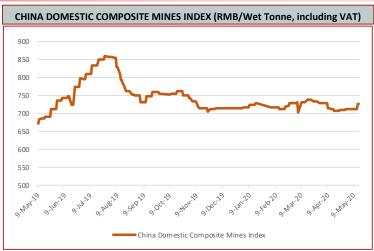
3460

60 1.76%

Week Ending May 15th, 2020

MMi D	aily Iron O	re Inde	Report										May 2	0th, 202	20
						IRON OR	E PORT S	TOCK INDEX	(IOPI)						
May 20th,	, 2020		FOT (Qingdao (ir	nc. 13% VAT)	, RMB/wet	tonne			CFR Qingd	ao Equivale	nt (exc. 139	% VAT), USD,	dry tonne	1
ndex	Fe Content	Price	Change	Change 9	6 MTD	YTD	Low ²	High ²	Price	Change	Change %	MTD	YTD	Low ²	High ²
OPI62	62% Fe Fines	738	9	1.2%	703	676	619	928	96.25	1.16	1.2%	91.63	88.86	81.37	126.12
OPI58	58% Fe Fines	653	20	3.2%	613	583	531	823	85.66	2.69	3.2%	80.27	76.98	70.02	112.44
OPI65	65% Fe Fines	878	9	1.0%	822	804	696	992	115.23	3 1.15	1.0%	107.76	107.76	91.81	135.34
		IR	ON ORE SE	ABORNE I	INDEX (IOSI)					MARK	ЕТ СОММ	ENTARY		
May 20th,	, 2020			CFR Qir	ngdao, USD/c	dry tonne				iron ore market too ers held their quotes					
Index	Fe Content	Price	Change	Change %	6 MTD	YTD	Low ²	High ²		r rebar rose to more					
IOSI62	62% Fe Fines	96.35	-1.35	-1.38%	89.89	88.63	80.40	127.50							
IOSI65	65% Fe Fines	114.75	-1.35	-1.16%	107.59	104.64	91.20	137.95							
IRON ORE PORT LUMP INDEX (IOPLI)															
Neek Endir 2020	ng May 15th,		FOT C	Qingdao (in	nc. 13% VAT),	, RMB/wet	tonne			CFR Qingda	o Equivaler	nt (exc. 13%	% VAT), USD/	dry tonne	3
ndex	Fe Content	Price	W-o-W	Change %	6 MTD	YTD	Low ²	High ²	Price	W-oW	Change %	MTD	YTD	Low ²	High ²
IOPLI62	62.5% Fe Lump	805	1	0.1%	805	845	763	1051	101.04	0.01	0.01%	101.04	106.79	93.24	133.8
			IRO	N ORE DO	MESTIC CO	NCENTRA	TE SPOT P	RICE ASSES	SMENTS	AND COMP	OSITE INDE	X			
Week End	ing May 15th, 2	020				RMB/to	nne (exclu	ding tax) ³				USD/tonne	e (excluding t	ax) ³	
Province	Region	Product		Basis	This week	Change	e %	Low ²	High	1 This	week	Change %	Low	, 2	High ²
Hebei	Hanxing	66% Fe	Concentrate	Dry	797	2.0%	6	763	103	2 11	2.43	1.92%	109.	21	150.03
Hebei	Qian'an	65% Fe	Concentrate	Dry	835	2.5%	6	780	960	11	7.79	2.33%	110.	51	139.35
Liaoning	Anshan	65% Fe	Concentrate	Wet	620	0.0%	6	605	720	8	7.46	-0.12%	87.4	16	104.66
Shandong	Zibo	65% Fe	Concentrate	Dry	875	0.6%	6	795	104	0 12	3.43	0.45%	113.	34	151.33
Week Endin	ng May 15th, 2020)		This we	eek Chan	ıge %	Low ²	High ²		e rate applied: RMB					
China Mines	s Concentrate Cor	nposite Inde	x RMB/WT	727.1	.5 2.1	12%	670.62	859.50	Weekly	exchange rate appli	ed: RMB/USD 7.0	889			
	IRON	ORE PORT	INDEX, FO	T QINGD/	AO (RMB/W	/T)			IRON	ORE SEABO	RNE INDEX	, CFR QIN	GDAO (USD	/DMT)	
850 750 750 750 750 750 750 750 750 750 7	2 Lines 2 Lines	IO PI		ALIBER AL	IO PI 65	MALTO DEROTED	\\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\	120 M 110 M 100 M 90 — 80 — 70 —		2 Three 2 Trees	TO SIG2	AND		My Justin	20 27.1.Na.1.20
			IR	ON ORE P	ORT STOCK	INDEX MO	ONTHLY. O	DUARTERLY	AND YE	AR-TO-DATE	AVERAGE:				
May 20th,	, 2020				nc. 13% VAT)								% VAT), USD,	dry tonne	
Index	Fe Content	January	February	March	April	MTD	QTD	YTD	Januai	ry February	March	April	MTD	QTD	YTD
IOPI62	62% Fe Fines	706	655	667	668	703	680	676	94.23	86.23	87.61	87.15	91.63	88.69	88.86
IOPI58	58% Fe Fines	600	563	577	580	613	591	583	80.46	5 74.33	76.20	75.96	80.27	77.44	76.98
IOPI65	65% Fe Fines	808	797	798	804	822	810	804	108.5	4 105.84	105.60	105.61	107.76	106.35	107.7
IRO	N ORE SEABO	RNE INDE	X MONTHL	Y, QUART	ERLY AND Y	/EAR-TO-D	ATE AVER	RAGES			FF	REIGHT RA	TES		
May 20th,	2020			CFR Qii	ngdao, USD/o	dry tonne			May 19th,	, 2020		FREIGHT F	RATES - DRY BUI		
Index	Fe Content	January	February	March	April	MTD	QTD	YTD	Route	Desig	nation	Change	Change %	Low ²	High ²
OSI62	62% Fe Fines	93.85	87.46	88.60	83.84	89.89	86.04	88.63	W. Australi	a - Qingdao	C5 4.46	0.30	7.12%	3.57	11.42
OSI65	65% Fe Fines	107.56	102.94	105.31	100.97	107.59	103.38	104.64	Tubarao - C	Qingdao	7.46	0.30	4.12%	6.70	29.10
			IR	ON ORE P	ORT LUMP	INDEX MO	NTHLY, Q	UARTERLY	AND YEA	AR-TO-DATE	AVERAGES				
Veek Endin 2020	ng May 15th,		FOT	Qingdao (i	nc. 13% VAT)	, RMB/wet	tonne			CFR Qingd	ao Equivale	nt (exc. 13	% VAT), USD	dry tonne	1
ndex	Fe Content	January	February	March	April	MTD	QTD	YTD	Januar	ry February	March	April	MTD	QTD	YTD
OPLI62	62.5% Fe Lump	868	834	868	832	805	824	845	108.9	9 106.19	110.46	101.03	101.04	103.79	106.7
					II	RON ORE I	NDEX PRE	MIUMS/DI	SCOUNT	·s					
May 20th, 2	2020			PORT STO	OCK INDEX (RN	ив/wт)		May 20th, 2	020			SEABOR	RNE INDEX (US	D/DMT)	
ndex		ontent		to IOPI62	%	6 Spread to 10		Index		Fe Content	Spre	ad to IOSI62	!	% Spread to	IOSI62
OPI58 IOPI65		e Fines e Fines		-85 140		-11.52% 18.97%		IOSI65		55% Fe Fines		18.40		19.10	%
UP105	65% F	e rines		L+U		18.9/%		103103	1	JJ/0 FE FINES		10.40		19.10	/0

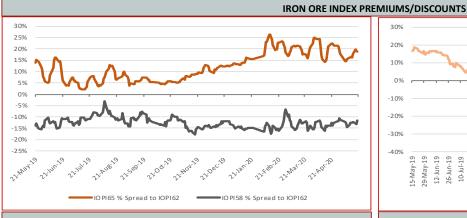




IRON ORE BRAND SPOT PRICE ASSESMENTS										
May 20th, 2020	PORT STOCK INDEX (RMB/WT)			May 20th, 2020	SEABORNE INDEX (USD/DMT)					
	Price	Change	Diff to IOPI62		Price	Change	Diff to IOSI62			
Roy Hill	707	8	-31	Roy Hill	92.05	-1.35	-4.30			
SIMEC Fines	704	7	-34	SIMEC Fines	89.07	-1.35	-7.28			
PB Fines	716	10	-22	PB Fines	95.77	-1.35	-0.58			
Newman Fines	739	9	1	Newman Fines	97.37	-1.35	1.02			
MAC Fines	715	9	-23	MAC Fines	90.62	-1.35	-5.73			
Jimblebar Blended Fines	668	11	-70	Jimblebar Blended Fines	83.17	-1.35	-13.18			
Carajas Fines	880	9	142	Carajas Fines	114.40	-1.35	18.05			
Brazilian SSF	780	7	42	Brazilian SSF	98.22	-1.35	1.87			
Brazilian Blend Fines	774	9	36	Brazilian Blend Fines	99.22	-1.35	2.87			
RTX Fines	688	11	-50	RTX Fines	88.87	-1.35	-7.48			
West Pilbara Fines	702	8	-36	West Pilbara Fines	90.55	-1.35	-5.80			

May 20th, 2020	PORT	PORT STOCK INDEX (RMB/WT)					
	Price	Change	Diff to IOPI58				
SSF	587	14	-66				
FMG Blended Fines	640	18	-13				
Robe River	605	15	-48				
Western Fines	546	11	-107				
Atlas Fines	655	19	2				
Yandi	622	16	-31				

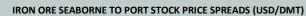
				IRON ORE IN	IDEX NORMA	ALISATION DIFFER	ENTIALS				
Por	t Stock Index	Product Differ	entials (RI	/IB/wet tonne)	Sea	aborne Inde	x Product Di	fferentials (JSD/dry tonne)
	Арі	olicable range		Value	Change		А	pplicable ran	ge	Value	Change
	High Grade	e Fe 60 - 63%		13.00	0.00		High Grad	de Fe 60 - 639	%	2.75	0.00
	High Grade	e Fe 63 - 64%		9.00 0.00			High Grad	de Fe 63 - 649	%	3.75	0.00
1% Fe	High Grade	e Fe 64 - 65%		9.00	0.00	1% Fe	High Grad	de Fe 64 - 659	%	3.75	0.00
	High Grade	High Grade Fe 65 - 65.5%			0.00		High Grad	High Grade Fe 65 - 65.5%		3.75	0.00
	Low Grade	Fe		1.00	0.00						
	High Fe Gra	ade Al <2.25%		40.00	0.00		High Fe G	rade Al <2.25	5%	3.00	0.00
1% Alumina	High Fe Grade Al 2.25-4%			3.00	0.00	40/ 41	High Fe Grade Al 2.25-4%		-4%	1.00	0.00
	Low Fe Gra	de Al <2.25%		25.00	-2.00	1% Alumina					
	Low Fe Gra	de Al 2.25-4%		39.00	5.00						
	High Fe Gra	ade Si <4%		30.00	0.00		High Fe G	rade Si <4%		2.25	0.00
1% Silica	High Fe Gra	High Fe Grade Si 4-6.5%		10.00	1.00	1% Silica	High Fe G	rade Si 4 - 6.	5%	0.75	0.00
	Low Fe Gra	Low Fe Grade			3.00						
0.01%	High Fe Gra	de 0.09% <p<0< td=""><td>.115%</td><td>7.00</td><td>-1.00</td><td>0.01%</td><td>High Fe G</td><td>rade 0.09%<</td><td>P<0.115%</td><td>1.00</td><td>0.00</td></p<0<>	.115%	7.00	-1.00	0.01%	High Fe G	rade 0.09%<	P<0.115%	1.00	0.00
	High Fe Gra	de 0.115% <p<< td=""><td>0.15%</td><td>8.00</td><td>0.00</td><td>Phosphorus</td><td>High Fe G</td><td>rade 0.115%</td><td><p<0.15%< td=""><td>0.50</td><td>0.00</td></p<0.15%<></td></p<<>	0.15%	8.00	0.00	Phosphorus	High Fe G	rade 0.115%	<p<0.15%< td=""><td>0.50</td><td>0.00</td></p<0.15%<>	0.50	0.00
Phosphorus	Low Fe Gra	de 0.09 <p<0.19< td=""><td>%</td><td>2.00</td><td>0.00</td><td></td><td></td><td></td><td></td><td></td><td></td></p<0.19<>	%	2.00	0.00						
			Port St	ock Price Differe	ntials to Qingo	lao Port for PB Fine	s (RMB/wet t	onne)			
Port	Value	Change	Port	Value	Change	Port	Value	Change	Port	Value	Change
Bayuquan	-25.00	0.00	Fangcheng	-5.00	0.00	Lanshan	0.00	0.00	Qingdao	0.00	0.00
Beilun	0.00	0.00	Jiangyin	-15.00	0.00	Lianyungang	0.00	0.00	Rizhao	0.00	0.00
Caofeidian	-10.00	0.00	Jingtang	-10.00	0.00	Majishan	0.00	0.00	Shekou	0.00	0.00
Dalian	-25.00	0.00	Lanqiao	0.00	0.00	Nantong	-15.00	0.00	Tianjin	-10.00	0.00





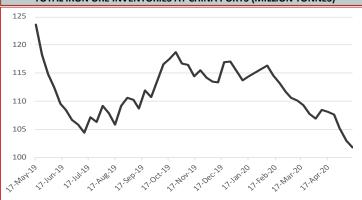
WEEKLY IRON ORE PORT STOCK LUMP PREMIUM (RMB/DMTU)







TOTAL IRON ORE INVENTORIES AT CHINA PORTS (MILLION TONNES)



		FUTURE TRADING—FRONT MONTH CLOSING PRICE		
Ī	1000		130	
	900	- MAA	120	
l	800 ن		110	
١	RMB/tonne	A . (100	DMT
١	18 √4 700	and mounting same	90	JSD/DM
	€ 600	A salling A saffing	80	S
	500		70	
	400		60	
	20.Na4	2 TOTHE TO THE TO SECT TO COLUMN TO DOCUMENT TO THE TO THE TO THE TO THE TO THE TO THE TO		
		—— Dalian 3pm Close —— SGX Front Month 6pm (RHS)		

	IRON ORE PORT INVENTORIES (MILLION TONNES)										
Week Ending May 15th, 2020											
Province	This week	Change %	Low ²	High ²							
Jingtang	13.74	-0.94%	10.80	17.00							
Qingdao	9.90	-5.62%	9.90	16.34							
Caofeidian	12.80	-0.93%	12.80	17.65							
Tianjin	7.98	11.76%	6.37	8.28							
Rizhao	10.48	0.77%	10.40	14.16							
Total (35 Ports)	101.79	-1.14%	101.79	123.67							

MON ONE FOTONES CONTRACTS											
	D	CE (RMB/WN	IT)	SGX (USD/DMT)							
Closing Date	May	20th, 3.00 pm	ı close	May 20th, 5.30 pm							
Contract	12009	Change	Change %	June '20	Change	Change %					
Closing Price	704.50	-6.5	-0.91%	93.98	-1.62	-1.69%					
Vol traded ('000 lots)	105.17	6.12	6.18%	24.21	-1.75	-6.73%					
Open positions ('000 lots)	89.44	-0.22	-0.25%	159.06	-3.46	-2.13%					
Day Low	702.0	11.0	1.59%	93.09	-0.62	-0.66%					
Day High	714.0	3.0	0.42%	95.12	-0.59	-0.62%					

IRON ORE FUTURES CONTRACTS

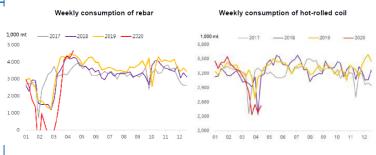
DRY BULK FREIGHT RATES (USD/MT)
35 ————————————————————————————————————
30
25
20
15
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0
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—— C5 - W. Australia - Qingdao —— C3 - Tubarao - Qingdao



STEEL SPOT MARKET PRICES—CHINA

CHINESE STEEL CONSUMPTION

Steel Spot Market RMB/tonne			
Product	15/5/2020	Change	Change %
ReBar HRB400 ф18mm	3,530.0	0	0.00%
Wirerod Q300 ¢6.5mm	3,660.0	0	0.00%
HRC Q235/SS400 5.5mm*1500*C	3,460.0	60	1.76%
CRC SPCC/ST12 1.0mm*1250*2500	3,790.0	40	1.07%
Medium & Heavy Plate Q235B 20mm	3,690.0	0	0.00%
GI ST02Z 1.0mm*1000*C	4,100.0	10	0.24%
Colour Coated Plate	6,450.0	50	0.78%



CHINESE STEEL MILL PROFITABILITY

SMM Tracking of Steel Mill P&L - Rebar and Hot-rolled Coil (RMB/tonne)										
Category Price Change (WoW) Note										
MMi (Fe 62%), USD/mt exluding tax	90.60	7.50	Mmi CFR Equivalent index for 1st Feb							
Coke	1,760	30	2nd grade met coke, Tangshan, incl. tax							
Steel Scrap	2,220	80	steel scrap (6mm) in Zhangjiagang, exl. tax							
Billet Cost	2,987	99	Q234, incl. tax							
Rebar cost - Blast furnace	3,231	99	calculated based on theoretical weight, incl. tax							
Rebar profit - Blast furnace	260	-98	based on Shanghai prices, incl. tax							
Hot-rolled coil cost - Blast furnace	3,303	99	based on actual weight, incl. tax							
Hot-rolled coil proft - Blast furnace	147	-59	based on Shanghai prices, incl. tax							

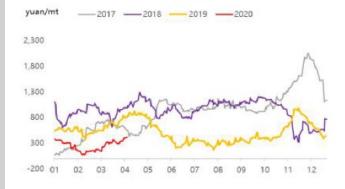
Note: 1 Costs in the table are caluclated based on todays market prices and facout our management, sales, financial and depreciations fees.

2. The cost refers to average cost in the industry based on SMM's survey of small, medium and large mills in China

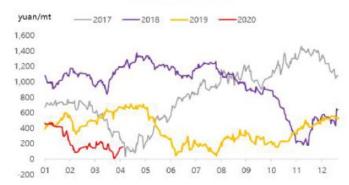


CHINESE STEEL MILL PROFITABILITY

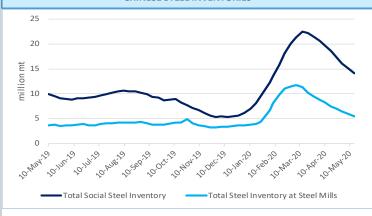
Rebar profits



Hot-rolled coil profits



CHINESE STEEL INVENTORIES



CHINESE STEEL PRODUCTION



	IRON ORE INDEX SPECIFICATIONS, COMPILATION RATIONALE AND DATA EXCLUSIONS										
	Iron Ore	Index Specifications	(Port and Seaborne)	Iron Ore Ind	ex Compilation	Rationale and Da	ata Exclusions			
	65% Fe Fines	62% Fe Fines	62.5% Fe Lump	MMi iron ore indice	MMi iron ore indices are compiled from data provided by companies that are						
Fe %	65.00	62.00	58.00	62.50	1	part of the iron ore supply chain and involved in spot market transactions. The indices are calculated using detailed transaction-level data submitted to MMi by					
Alumina %	1.40	2.25	2.25	1.50	these companies. T	his data is normalise	ed to the appropriate	specifications and			
Silica%	1.50	4.00	5.50	3.50		screened to remove outliers before volume-weighted average prices are 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 w	published on our website at: www.mmiprices.com					
Moisture %	8.00	8.00	9.00	4.00							
	Granular size he	elow 10mm for at lea	ist 90% of cargo.	Size below 6.3mm max 15%		Data Ex	clusions*	65%			
Sizing		ım of 40% below 150	0 /	Size above 31.15mm max 25%	Port Index Seaborne index	2	0	0			
Pricing Point	Qingdao Port (FOT and CFR respectively)		FOT Qingdao Port	Lump Index 62.5 0							
Timing (Seaborne)	Loading withi	n 4 weeks, Delivery v	vithin 8 weeks	Delivery within 2 weeks			ore indices that were				
Payment Terms	L/C at sight			L/C at sight or CAD	index calculations today as they were anomalous and could not be verified						

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.

AVERAGE IRON ORE SPECIFICATIONS APPLIED FOR BRAND PRICE ASSESSMENTS												
PORT STOCK BRANDS						SEABORNE BRANDS						
May 20th, 2020	Specifications applied for 62% brand assessments						Specifications applied for 62% brand assessments					
	Fe	Alumina	Silica	Phos	Moisture		Fe	Alumina	Silica	Phos	Moisture	
Roy Hill	60.83%	2.31%	4.67%	0.056%	9.15%	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	61.50%	2.34%	3.90%	0.101%	9.35%	PB Fines 62%	62.00%	2.60%	4.30%	0.090%	10.00%	
Newman Fines	62.27%	2.41%	4.27%	0.085%	7.92%	Newman Fines	62.40%	2.20%	4.30%	0.080%	6.40%	
MAC Fines	60.74%	2.34%	4.70%	0.077%	7.95%	MAC Fines	61.00%	2.70%	4.70%	0.110%	9.30%	
Jimblebar Blended Fines	60.15%	3.16%	4.88%	0.114%	7.77%	Jimblebar Blended Fines	59.50%	3.70%	5.80%	0.135%	8.30%	
Carajas Fines	65.32%	1.34%	1.55%	0.074%	8.19%	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	62.89%	1.43%	4.66%	0.084%	8.25%	Brazilian Blend Fines	62.50%	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%	
May 20th, 2020 Specifications applied for 58% brand assessments												
	Fe	Alumina	Silica	Phos	Moisture							
SSF	56.69%	3.09%	6.18%	0.062%	9.10%							
FMG Blended Fines	58.14%	2.63%	5.59%	0.057%	8.11%							
Robe River	56.29%	3.19%	5.74%	0.039%	8.90%							
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	57.05%	1.63%	6.47%	0.037%	9.13%							

BLOOMBERG TICKERS										
	PORT STO	CK INDICES		SEABORNE INDICES						
	FOT Qingdao (RMB/wet tonne)	FOT Qingdao (RMB/wet tonne) CFR Qingdao Equivalent (USD/dry tonne)		CFR Qingdao (USD/DMT)						
IOPI62	IRCNQ001	IRCNQ004	IOSI62	IRCN0034						
IOPI58	IRCNQ002	IRCNQ005	IOSI65	IRCN0035						
IOPI65	IRCNQ003	IRCNQ006								
IOPLI62	IRCN0036	IRCN0037								

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