

MMi Dashboard

Iron Ore Price Indices

Iron Ore Port Stock (FOT Qingdao)

IOPI65 65% Fe Fines RMB/t

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



-4.40%

August 12th 2019

August 12th 2019

August 12th 2019

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

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



-7.15%

-52

August 12th 2019

Iron Ore Seaborne (CFR Qingdao)

IOSI62 62% Fe Fines USD/dmt

August 12th 2019

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



-4.77%

Week Ending August 9th, 2019

Exchange Traded Contracts

DCE Iron Ore 62% Fines 12001 (Jan) RMB/t



638.50

-0.50 -0.08%

August 12th 2019

(3pm close)

SGX Iron Ore (CFR Qingdao) 62% Fe Fines August'19 USD/dmt



88.02

-3.41%

0.41 0.47%

August 12th 2019 (6.00 pm Print)

SHFE Rebar RB1910 (Oct) RMB/t



-81.00 -2.21%

August 12th 2019

(3pm close)

Freight Rates

C3, Tubarao - Qingdao USD/t



August 9th, 2019

21.26

0.09 0.41%

C5, W. Australia - Qingdao USD/t



9.16

0.25 2.86%

August 9th, 2019

Steel Price

Steel Rebar (China Domestic) RMB/t



3700

-160 -4.15%

Week Ending August 9th, 2019

Inventory Levels

Iron Ore Inventory at Chinese Ports (35) million tonnes

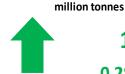


107.84

-1.30 -1.19%

Week Ending August 9th, 2019

Steel Inventory in China



14.83

0.28 1.93%

Week Ending August 9th, 2019

Steel Price

Steel HRC (China Domestic) RMB/t

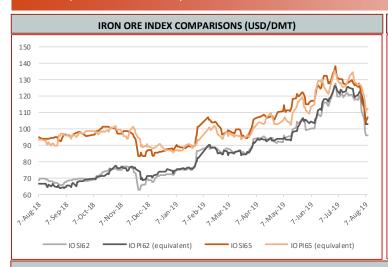


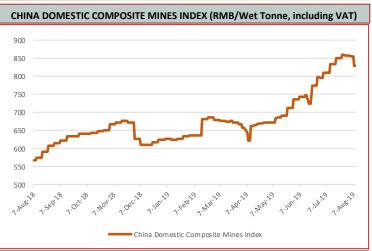
3650

-120 -3.18%

Week Ending August 9th, 2019

MMi D	aily Iron	Ore Ir	dex Report											Augus	t 12th 2	2019
						IRON (ORE PORT S	TOCK INDEX	(IOPI)							
August 121	th 2019		FOT	Qingdao	(inc. 13% \	VAT), RMB/we	et tonne			CFR Q	ngdao Ed	quivale	nt (exc. 13%	6 VAT), USD,	dry tonne	1
Index	Fe Conte	nt Pr	ice Change	Chang	e% MT	TD YTD	Low ²	High ²	Price	Char	nge Cha	ange %	MTD	YTD	Low ²	High ²
IOPI62	62% Fe Fin	nes 7 3	38 -34	-4.49	<mark>%</mark> 81	5 724	492	928	97.27	-4.7	77 -	4.7%	108.73	97.39	63.83	126.12
IOPI58	58% Fe Fin	nes 6	75 - <mark>52</mark>	-7.29	<mark>%</mark> 75	9 634	347	823	89.61	-7.3	31 -	7.5%	102.09	85.34	43.55	112.44
IOPI65	65% Fe Fin	nes 8	21 -29	-3.49	<mark>%</mark> 87	1 797	654	992	108.64	-4.	1 -	3.6%	116.51	107.68	85.47	135.34
			IRON ORE SE	ABORN	IE INDEX (IOSI)						MARK	ЕТ СОММІ	ENTARY		
August 12t	th 2019			CFR (Qingdao, U	SD/dry tonne								se to the current lover in the morning tra		
Index	Fe Conte	nt Pr	ice Change	Chang	e % MT	D YTD	Low ²	High ²						ession there were st r offers by 10yuan/r		
IOSI62	62% Fe Fin	ies			104.	.13 96.40	62.95	127.50	mt, up 10-15y for buying, tot				ning. Though as tra	ders are still caution	us and mills showe	ed little appetite
IOSI65	65% Fe Fin	nes			111.	.78 109.60	83.20	137.95								
Wook Endin	ng August 9tl	h						UMP INDEX	(IOPLI)							
2019						/AT), RMB/we								VAT), USD/		
Index	Fe Conte	nt Pr	ce W-o-W	Change	e % MT	D YTD	Low ²	High ²	Price	W-d	W Cha	ange %		YTD	Low ²	High ²
IOPLI62	62.5% Fe Lu	mp 9 5	8 -48	-4.89	% 100	908	618	1051	119.62	-7.8	6 -6	5.17%	123.55	116.37	80.29	133.81
IRON ORE DOMESTIC CONCENTRATE SPOT PRICE ASSESSMENTS AND COMPOSITE INDEX																
Week Endi	ing August 9	th, 2019				RMB/	tonne (exclu	ding tax) 3					USD/tonne	(excluding t	ax) ³	
Province	Regio		oduct	Basis	This we	ek Char	nge %	Low ²	High ²	2	This wee	k	Change %	Low	l ²	High ²
Hebei	Hanx	ing 66	% Fe Concentrate	Dry	994	-0.	.8%	630	1032		142.37		-2.11%	91.9	97	150.03
Hebei	Qian	'an 65'	% Fe Concentrate	Dry	925	-3.	.6%	690	960		132.49		-4.92%	100.	26	139.35
Liaoning	Ansh	ian 65	% Fe Concentrate	Wet	720	0.	0%	465	745		103.13		-1.32%	68.2	21	104.66
Shandong	Zibo	65	% Fe Concentrate	Dry	950	-6.	.9%	690	1040		136.07		-8.10%	99.7	75	151.33
Week Ending August 9th, 2019 This week Change % Low ²								High ²	1 .		RMB/USD = applied: RM		² Last 12 n 816	nonths		
Cnina iviines		•	ORT INDEX, FO		9.53	-3.3% D /\A/T\	567.06	859.50	IPON	ODE SE	DODNE	INDEX	CER OING	GDAO (USD	\/DN/T\	
	IRC	IN ORE P	OKT INDEX, FO) QING	DAU (KIVI	D/WI)			IKUN	UKE SEA	ADURINE	INDEX	, CFR QINC	JDAU (USL	וואטקי	
950																٨
850								125 ——							٠٩ ١	Any
750	~~~	~~	h a	Mm	~~~			115		~ -			٨.,	~~~	مر کرد	•
650 —		~~~	\/	<u> </u>	****			95 ~~ 85 —	<i>~~</i>		\	~~		Jane	<i></i>	
550 -	M., ~							75	مسر		\~~	لسبر				
350 🛹			~~~					55 —			~					
250 –	S ⁵ S ⁹	b 5%	S S	9 59	.59	\$ \$ 5	2 .59	45	,3° ,3°	1,780	Dec. 1.96	29	79 79	29 29	. 29	29 29
10 AUE 18	105epi29	JOHON JO	Decip Jolania Jokan	JOH31:19	Orbrid	19 John 19 John	10 AUE 19	& Mile 18 & Set	Algo Piogripa	8. MOV. 18	Dec. 18	s.te	3.19 8.Mar.19	APT-19 S.May-19	Silly Sill	8-Aub
			IO PI 62	IO PI 58	IO PI 6							IO SI62	<u> </u>	il65		
			IR	ON OR	E PORT ST	OCK INDEX N	MONTHLY, (QUARTERLY	AND YEA	R-TO-D	ATE AVE	RAGE	S			
August 12t	th 2019		FO1	Qingdad	o (inc. 13%	VAT), RMB/w	et tonne			CFR C	Qingdao E	quivale	ent (exc. 13%	% VAT), USD,	dry tonne	
Index	Fe Conte	nt A	oril May	June	e July	, MTD	QTD	YTD	April	Ma	ay J	lune	July	MTD	QTD	YTD
IOPI62	62% Fe Fir	nes 6	75 729	825	909	815	885	724	85.37	98.	40 13	11.42	123.29	108.73	119.53	97.39
IOPI58	58% Fe Fir	nes 6	00 637	726	809	759	796	634	77.49	86.	39 9	8.60	110.47	102.09	108.31	85.34
IOPI65	65% Fe Fir	nes 7	53 812	901	954	871	933	797	95.78	110	.00 12	21.97	129.53	116.51	126.17	107.68
IRO	N ORE SEA	BORNE I	NDEX MONTHI	Y, QUA	RTERLY A	ND YEAR-TO	-DATE AVEI	RAGES				FF	REIGHT RA	TES		
August 12t	th 2019			CFR	Qingdao, U	ISD/dry tonne			August 9th,	2019			FREIGHT R	ATES - DRY BUI		
Index	Fe Conte	nt A	oril May	June	e July	y MTD	QTD	YTD	Route		Designation		Change	Change %	Low ²	High ²
IOSI62	62% Fe Fir		.42 98.68	108.5					W. Australia	-	C5	9.16	0.25	2.86%	4.39	11.15
IOSI65	65% Fe Fir	nes 106	5.75 115.53	124.4	19 129.5	53 111.78	125.86	109.60	Tubarao - Qir	ngdao	С3	21.26	0.09	0.41%	11.61	27.52
			IR	ON ORI	E PORT LU	IMP INDEX M	ONTHLY, C	QUARTERLY	AND YEA	R-TO-D	ATE AVE	RAGES				
Week Endin 2019	ng August 9th	1,	FOT	Qingdad	(inc. 16%	VAT), RMB/w	et tonne			CFR Q	ingdao Ed	quivale	nt (exc. 16%	% VAT), USD	dry tonne	1
Index	Fe Conte	nt Ma	arch April	Ma	ıy Jui	ne MTD	QTD	YTD	March	Ар	ril	May	June	MTD	QTD	YTD
IOPLI62	62.5% Fe Lu	ımp 8	58 872	91	9 10	09 1006	1038	908	99.57	111	.03 1	17.12	128.00	123.55	129.84	116.37
						IRON OR	E INDEX PR	EMIUMS/DI	SCOUNTS)						
August 12th	h 2019			PORT	STOCK INDE	X (RMB/WT)		August 12th	2019				SEABOR	NE INDEX (US	SD/DMT)	
Index		e Content		to IOPI6	2	% Spread to		Index	F	e Conten	t	Spre	ad to IOSI62		% Spread to	IOSI62
IOPI58 IOPI65		% Fe Fines % Fe Fines		-63 83		-8.54 11.25		IOSI65	6	5% Fe Fin	es					
	03	, , , e i iiie:	·	JJ		11.23	.,,,	.55.05	0.	. ,						

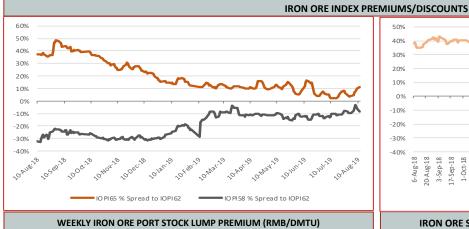




IRON ORE BRAND SPOT PRICE ASSESMENTS									
August 12th 2019	PORT S	STOCK INDEX (R	MB/WT)	August 12th 2019	SEABORNE INDEX (USD/DMT)				
	Price	Change	Diff to IOPI62		Price	Change	Diff to IOSI62		
Roy Hill	702	-37	-36	Roy Hill					
SIMEC Fines	660	-46	-78	SIMEC Fines					
PB Fines	724	-35	-14	PB Fines					
Newman Fines	741	-33	3	Newman Fines					
MAC Fines	714	-38	-24	MAC Fines					
Jimblebar Blended Fines	687	-38	-51	Jimblebar Blended Fines					
Carajas Fines	833	-29	95	Carajas Fines					
Brazilian SSF	690	-39	-48	Brazilian SSF					
Brazilian Blend Fines	739	-31	1	Brazilian Blend Fines					
RTX Fines	690	-44	-48	RTX Fines					
West Pilbara Fines	700	-40	-38	West Pilbara Fines					

August 12th 2019	PORT STOCK INDEX (RMB/WT)					
	Price	Change	Diff to IOPI58			
SSF	680	-4	5			
FMG Blended Fines	685	-50	10			
Robe River	673	-15	-2			
Western Fines	687	-2	12			
Atlas Fines	679	2	4			
Yandi	676	-44	1			

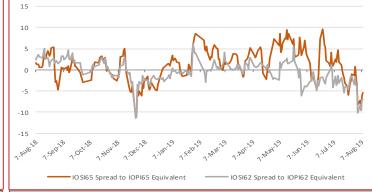
				IRON ORE	INDEX NORMA	ALISATION DIFFER	ENTIALS				
Por	t Stock Index	Product Differ	entials (RMB/wet tonn	e)	Seaborne Index Product Differentials (USD/dry tonne)					
	App	olicable range		Value	Change		А	pplicable ran	ge	Value	Change
	High Grade	Fe 60 - 63%		4.00	2.00		High Grad	de Fe 60 - 639	6	3.00	0.00
	High Grade	Fe 63 - 64%		20.00 0.00			High Grad	High Grade Fe 63 - 64%		2.25	0.00
1% Fe	High Grade	Fe 64 - 65%		20.00	0.00	1% Fe	High Grad	High Grade Fe 64 - 65%		2.25	0.00
	High Grade	Fe 65 - 65.5%		20.00	0.00		High Grad	High Grade Fe 65 - 65.5%		2.25	0.00
	Low Grade Fe			10.00	-3.00						
	High Fe Gra	Fe Grade Al <2.25%		22.00	3.00		High Fe G	rade Al <2.25	5%	1.75	0.00
40/ 41 .	High Fe Grade Al 2.25-4%			21.00	1.00	40/ 41	High Fe G	rade Al 2.25-	4%	4.00	0.00
1% Alumina	Low Fe Gra	de Al <2.25%		20.00	0.00	1% Alumina					
	Low Fe Grad	de Al 2.25-4%		10.00	-10.00						
	High Fe Gra	e Grade Si <4%		8.00 0.00			High Fe G	rade Si <4%		1.25	0.00
1% Silica	High Fe Gra	de Si 4-6.5%		36.00	3.00	1% Silica	High Fe G	rade Si 4 - 6.	5%	2.00	0.00
	Low Fe Gra	Low Fe Grade			-10.00						
	High Fe Gra	nde 0.09% <p<0< td=""><td>.115%</td><td>0.00</td><td>0.00</td><td>0.01%</td><td>High Fe G</td><td>rade 0.09%<i< td=""><td>P<0.115%</td><td>0.75</td><td>0.00</td></i<></td></p<0<>	.115%	0.00	0.00	0.01%	High Fe G	rade 0.09% <i< td=""><td>P<0.115%</td><td>0.75</td><td>0.00</td></i<>	P<0.115%	0.75	0.00
0.01%	High Fe Gra	nde 0.115% <p<< td=""><td>0.15%</td><td>6.00</td><td>3.00</td><td>Phosphorus</td><td>High Fe G</td><td>rade 0.115%</td><td><p<0.15%< td=""><td>0.75</td><td>0.00</td></p<0.15%<></td></p<<>	0.15%	6.00	3.00	Phosphorus	High Fe G	rade 0.115%	<p<0.15%< td=""><td>0.75</td><td>0.00</td></p<0.15%<>	0.75	0.00
Phosphorus	Low Fe Grad	de 0.09 <p<0.19< td=""><td>%</td><td>0.00</td><td>0.00</td><td>·</td><td></td><td></td><td></td><td></td><td></td></p<0.19<>	%	0.00	0.00	·					
			Port	Stock Price Differ	entials to Qingo	dao Port for PB Fine	s (RMB/wet t	onne)			
Port	Value	Change	Por	rt Value	Change	Port	Value	Change	Port	Value	Change
Bayuquan	-25.00	0.00	Fangche	eng -5.00	0.00	Lanshan	0.00	0.00	Qingdao	0.00	0.00
Beilun	5.00	0.00	Jiangyin	-40.00	-20.00	Lianyungang	0.00	0.00	Rizhao	0.00	0.00
Caofeidian	-20.00	-5.00	Jingtang	-20.00	-5.00	Majishan	0.00	0.00	Shekou	0.00	0.00
Dalian	-40.00	-15.00	Lanqiao	0.00	0.00	Nantong	-40.00	-20.00	Tianjin	-35.00	-15.00





3.50 3.00 2.50 2.00 1.50 1.00







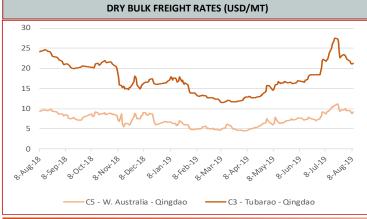


TOTAL IRON ORE INVENTORIES AT CHINA PORTS (MILLION TONNES)
145
140
135
130
125
120
115
110
105
100
To be to the total to the transport to t

IRON ORE PORT INVENTORIES (MILLION TONNES)										
Week Ending August 9th, 2019										
Province	This week	Change %	Low ²	High ²						
Jingtang	12.30	-2.92%	10.80	16.70						
Qingdao	13.07	3.16%	12.38	19.01						
Caofeidian	14.61	-4.01%	14.48	20.10						
Tianjin	7.04	2.92%	6.39	10.40						
Rizhao	11.81	-4.91%	11.65	17.39						
Total (35 Ports)	107.84	-1.19%	104.40	140.16						

		D	CE (RMB/WN	IT)	SGX (USD/DMT)				
2	Closing Date	Au	g 12th 3pm c	lose	Aug 12th 5.30 pm				
0	Contract	12001	Change	Change %	Sep'19	Change	Change %		
1	Closing Price	638.50	-0.5	-0.08%	88.02	0.41	0.47%		
)	Vol traded ('000 lots)	305.62	39.0	14.65%	11.71	-14.44	-55.22%		
0	Open positions ('000 lots)	136.47	5.8	4.45%	158.88	7.01	4.61%		
9	Day Low	609.5	-18.5	-2.95%	83.58	-3.62	-4.15%		
.6	Day High	643.5	-22.5	-3.38%	88.43	-4.10	-4.43%		

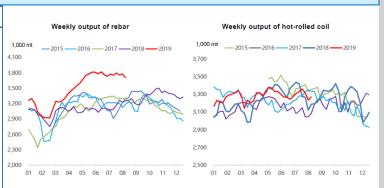
IRON ORE FUTURES CONTRACTS





STEEL SPOT MARKET PRICES—CHINA

Steel Spot Market RMB/tonne			
Product	9/8/2019	Change	Change %
ReBar HRB400 ф18mm	3,700.0	-160	-4.15%
Wirerod Q300 ¢6.5mm	3,960.0	-160	-3.88%
HRC Q235/SS400 5.5mm*1500*C	3,650.0	-120	-3.18%
CRC SPCC/ST12 1.0mm*1250*2500	4,220.0	-20	-0.47%
Medium & Heavy Plate Q235B 20mm	3,820.0	-50	-1.29%
GI ST02Z 1.0mm*1000*C	4,520.0	-30	-0.66%
Colour Coated Plate	7,100.0	50	0.71%



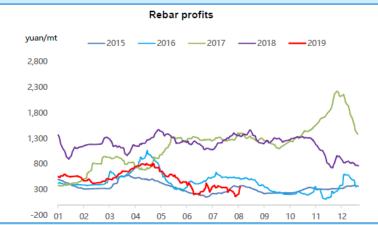
CHINESE STEEL MILL PROFITABILITY									
SMM Tracking of Steel Mill P&L - Rebar and Hot-rolled Coil (RWB/tonne)									
Category	Price	Change (WoW)	Note						
MMi (Fe 62%), USD/mt exluding tax	95.80	-21.95	Mmi CFR Equivalent index for 1st Feb						
Coke	2,010	0	2nd grade met coke, Tangshan, incl. tax						
Steel Scrap	2,360	-60	steel scrap (6mm) in Zhangjiagang, exl. tax						
Billet Cost	3,160	-420	Q234, incl. tax						
Rebar cost - Blast furnace	3,411	-222	calculated based on theoretical weight, incl. tax						
Rebar profit - Blast furnace	259	92	based on Shanghai prices, incl. tax						
Hot-rolled coil cost - Blast furnace	3,477	-252	based on actual weight, incl. tax						
Hot-rolled coil proft - Blast furnace 173 132 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



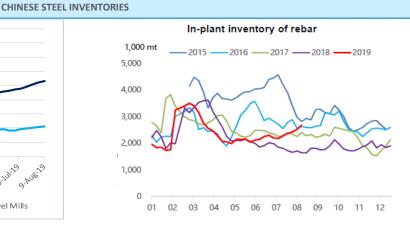
CHINESE STEEL MILL PROFITABILITY





Hot-rolled coil profits

18 16 14 12 10 8 6 4 2 0 0 Aug. 28 0-Rep. 28 0



Pricing Point

Timing (Seaborne)

Payment Terms

	IRON ORE INDEX SPECIFICATIONS, COMPILATION RATIONALE AND DATA EXCLUSIONS									
	Iron Ore	Iron Ore Ind	ex Compilation	Rationale and Da	ta Exclusions					
	65% Fe Fines	62% Fe Fines	58% Fe Fines	62.5% Fe Lump	MMi iron ore indice	es are compiled fron	n data provided by com	npanies that are		
Fe %	65.00	62.00	58.00	62.50	1.		volved in spot market t ansaction-level data sul			
Alumina %	1.40	2.25	2.25	1.50			ed to the appropriate s			
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.			e prices are		
Phosphorus %	0.06	0.09	0.05	0.08	For more details on MMi's iron ore methodology please download the guide			nload the guide		
Sulphur %	0.01	0.02	0.02	0.02	published on our w	ebsite at: www.mm	iprices.com			
Moisture %	8.00	8.00	9.00	4.00						
			. 000/		Data Exclusions*					
Sizing	Granular size be	elow 10mm for at lea	ist 90% of cargo;	Size below 6.3mm max 15%		62%	58%	65%		
JIZITIE	maximu	um of 40% below 150) micron	Size above 31.15mm max 25%	Port Index	0	0	0		

FOT Qingdao Port

Delivery within 2 weeks
L/C at sight or CAD

Lump Index 62.5

* Number of price submissions for iron ore indices that were excluded from index calculations today as they were anomalous and could not be verified

Seaborne index

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	PPLIED FOR BRAND PRICE A	SSESSMEN	TS						
	PORT	STOCK BRAN	IDS			SEABORNE BRANDS						
August 12th 2019	Specifi	cations appli	ed for 62%	brand asses	sments		Specifications applied for 62% brand assessments					
	Fe	Alumina	Silica	Phos	Moisture		Fe	Alumina	Silica	Phos	Moisture	
Roy Hill	61.16%	2.25%	4.61%	0.052%	9.35%	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%	2.36%	3.83%	0.100%	9.38%	PB Fines 62%	62.00%	2.60%	4.30%	0.090%	10.00%	
Newman Fines	62.54%	2.26%	4.00%	0.081%	7.87%	Newman Fines	62.80%	2.20%	4.30%	0.080%	6.40%	
MAC Fines	60.86%	2.24%	4.64%	0.080%	7.59%	MAC Fines	61.00%	2.70%	4.70%	0.110%	9.30%	
Jimblebar Blended Fines	60.83%	2.99%	4.45%	0.114%	7.34%	Jimblebar Blended Fines	59.50%	3.70%	5.80%	0.135%	8.30%	
Carajas Fines	65.57%	1.24%	1.39%	0.068%	8.37%	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	63.04%	1.56%	4.36%	0.078%	8.71%	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%	
August 12th 2019	Specifi	cations appli	ed for 58%	brand asses	sments							
	Fe	Alumina	Silica	Phos	Moisture							
SSF	56.68%	3.08%	6.33%	0.059%	8.30%							
FMG Blended Fines	58.21%	2.59%	5.47%	0.061%	7.57%							
Robe River	56.28%	2.91%	5.58%	0.035%	9.29%							
Western Fines	57.88%	2.87%	7.50%	0.062%	7.45%							
Atlas Fines	56.59%	2.55%	7.14%	0.080%	8.46%							
Yandi	57.32%	1.50%	6.32%	0.041%	8.83%							

		BLOOMBE										
	PORT STOCK INDICES											
	FOT Qingdao (RMB/wet tonne)	CFR Qingdao Equivalent (USD/dry tonne)										
IOPI62	IRCNQ001	IRCNQ004										
IOPI58	IRCNQ002	IRCNQ005										
IOPI65	IRCNQ003	IRCNQ006										

Qingdao Port (FOT and CFR respectively)

Loading within 4 weeks, Delivery within 8 weeks

L/C at sight

CONTACT US

RG TICKERS

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