



**RAND YORK**  
MINERALS

Official Certificate of Analysis

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BATCH SPECIFICATION SHEET

[RANDYORKSA.COM](http://RANDYORKSA.COM)



## FOUNDRY CHROMITE SAND AFS 60-65 – BA60

Foundry grade chromite sand is used for its unique properties, high thermal conductivity, heat resistant, low heat dilating and a cost-effective way to produce and use in some of the below applications:

- Specially treated molds
- Quality castings
- Metal casting
- Automotive castings
- Alloys such as stainless steel
- Chrome plating
- Metal ceramics
- Is used impart corrosion resistance and a shiny finish; as dyes and paints, its salts color
- Glass an emerald green
- Is used to produce synthetic rubies;
- As a catalyst in dyeing and in the tanning of leather

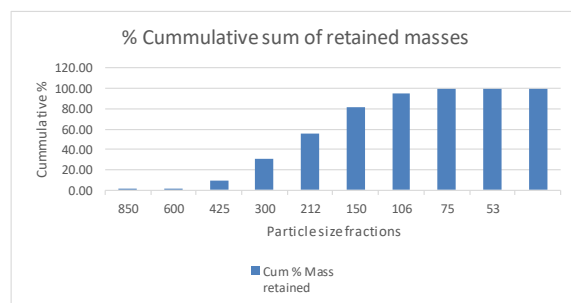
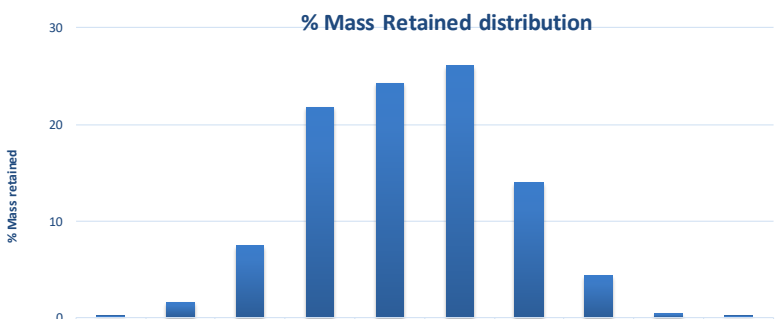
### ANALYSIS ON DRY BASIS

ANALYSIS/DETERMINATION	Typical VALUE
CR2O3 (%)	46.73
SiO2 (%)	0.88
FeO (%)	25.63
Cr :Fe Ratio	1.6
CaO (%)	0.17
Al2O3 (%)	14.8
MgO	10.08
AFS	62.84
Moisture	0.0005
Turbidity	162 NTU
Turbidity	54 ppm
pH	8.19
pH 3	5.9
pH 4	2.2
pH 5	1.6
LOI	1.1

\*All bagged cargo is guaranteed at 0.05% moisture

ARX FOA-064	AFS SPECIAL							
Sieve size (µm)	Mass (g) retained [A]	Factor [B]	Product [AxB]	% Mass retained [C]	Cum % Mass retained	Cum % Mass passing	Factor [D]	Product[CxD]
850	0.1	10	1	0.07	0.07	99.93		
600	2.4	20	48	1.60	1.67	98.33	1000.00	1599
425	11.1	30	333	7.40	9.06	90.94	500.00	3698
300	32.7	40	1308	21.79	30.85	69.15	355.00	7734
212	36.5	50	1825	24.32	55.16	44.84	250.00	6079
150	39.1	70	2737	26.05	81.21	18.79	180.00	4689
106	20.9	100	2090	13.92	95.14	4.86	125.00	1741
75	6.5	140	910	4.33	99.47	0.53	90.00	390
53	0.6	200	120	0.40	99.87	0.13	63.00	25
PAN	0.2	300	60	0.13	100.00	0.00	45.00	6
	150.10		9432	2309.23				25960
Initial Mass (g)	145.2							
Losses (%)	-3.37%							

\* AFS **62.84**  
 AFS Required  
 \* Fines < 106µm **4.86 %**  
 \* Avg grain size **260 µm**  
 Analytical Method used



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