



RAND YORK
MINERALS

Official Certificate of Analysis

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BATCH SPECIFICATION SHEET

RANDYORKSA.COM

FOUNDRY CHROMITE SAND AFS 45-50 – T45

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

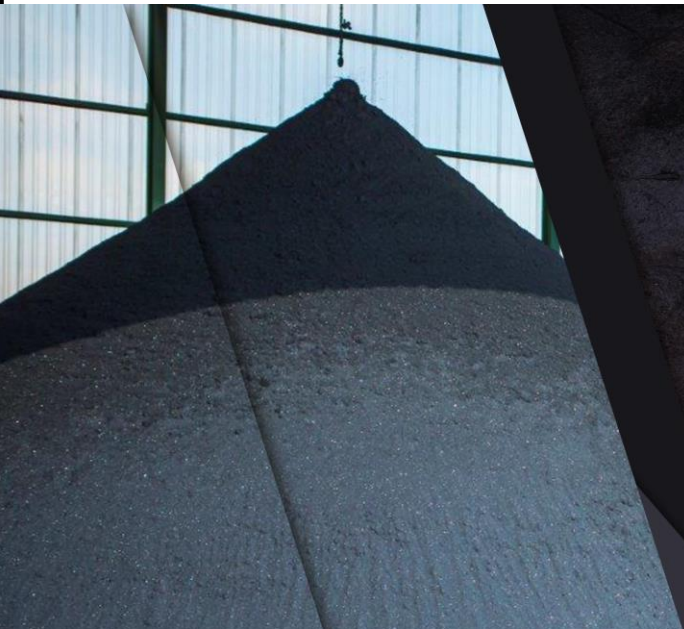
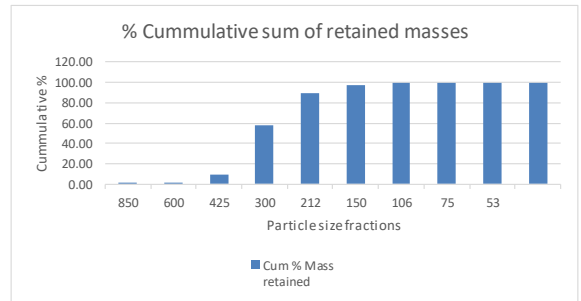
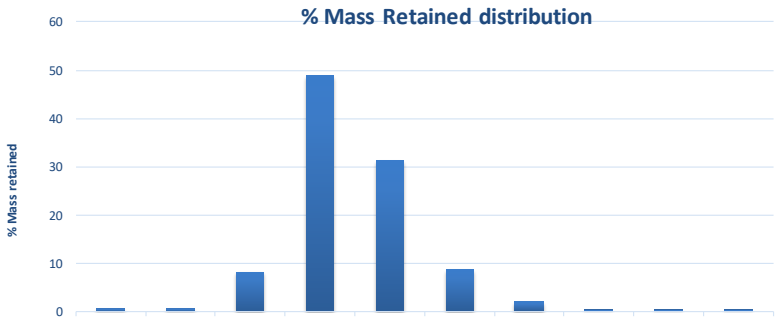
ANALYSIS ON DRY BASIS

ANALYSIS/DETERMINATION	Typical VALUE
CR2O3 (%)	45.57
SiO2 (%)	0.62
FeO (%)	28.92
Cr :Fe Ratio	1.39
CaO (%)	0.2
Al2O3 (%)	14.7
MgO	8.1
AFS	45.93
Moisture	0.0005
Turbidity	232.59 NTU
Turbidity	77.53 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	0.3634	10	4	0.48	0.48	99.52		
600	0.5088	20	10	0.68	1.16	98.84	1000.00	676
425	6.1365	30	184	8.15	9.31	90.69	500.00	4076
300	36.7351	40	1469	48.80	58.11	41.89	355.00	17324
212	23.4816	50	1174	31.19	89.31	10.69	250.00	7799
150	6.4693	70	453	8.59	97.90	2.10	180.00	1547
106	1.482	100	148	1.97	99.87	0.13	125.00	246
75	0.0882	140	12	0.12	99.99	0.01	90.00	11
53	0.0093	200	2	0.01	100.00	0.00	63.00	1
PAN	0.0014	300	0	0.00	100.00	0.00	45.00	0
	75.28		3457	85346.49				31679
Initial Mass (g)	145.2							
Losses (%)	48.16%							

*** AFS** **45.93**
AFS Required
*** Fines < 106µm** **0.13 %**
*** Avg grain size** **317 µm**
Analytical Method used



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