



RAND YORK
MINERALS

Official Certificate of Analysis

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BATCH SPECIFICATION SHEET -
PH60

RANDYORKSA.COM



FOUNDRY CHROMITE SAND AFS 60-65 – PH60

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

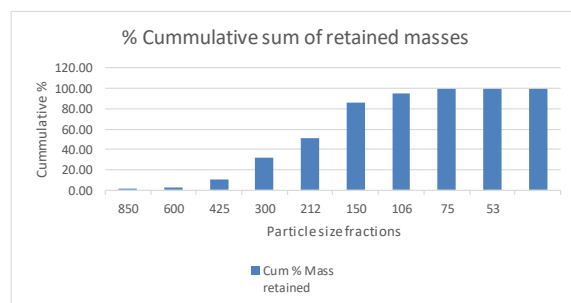
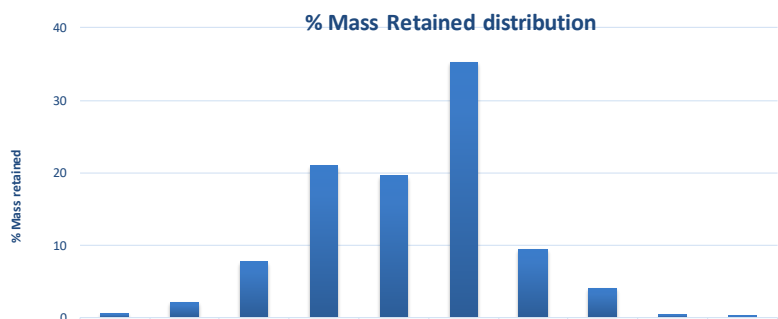
ANALYSIS ON DRY BASIS

ANALYSIS/DETERMINATION	Typical VALUE
CR ₂ O ₃ (%)	46.3
SiO ₂ (%)	0.77
FeO (%)	27.64
Cr :Fe Ratio	1.61
CaO (%)	0.25
Al ₂ O ₃ (%)	16.58
MgO	9.21
AFS	61.49
Moisture	0.0005
Turbidity	178 NTU
Turbidity	59.33 PPM
pH	8.19
pH 3	5.9
pH 4	2.2
pH 5	1.6
LOI	1.6

*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	0.53	10	5	0.53	0.53	99.47		
600	2.2	20	44	2.20	2.73	97.27	1000.00	2200
425	7.75	30	233	7.75	10.48	89.52	500.00	3875
300	20.95	40	838	20.95	31.43	68.57	355.00	7437
212	19.59	50	980	19.59	51.01	48.99	250.00	4897
150	35.21	70	2465	35.21	86.22	13.78	180.00	6337
106	9.42	100	942	9.42	95.64	4.36	125.00	1177
75	3.96	140	554	3.96	99.60	0.40	90.00	356
53	0.31	200	62	0.31	99.91	0.09	63.00	20
PAN	0.09	300	27	0.09	100.00	0.00	45.00	4
	100.01		6149	2525.51				26302
Initial Mass (g)	145.2							
Losses (%)	31.12%							

*** AFS** **61.49**
AFS Required
*** Fines < 106µm** **4.36 %**
*** Avg grain size** **263 µm**
Analytical Method used



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