



**RAND YORK**  
MINERALS

Official Certificate of Analysis

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BATCH SPECIFICATION SHEET -  
PH-25

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



## FOUNDRY CHROMITE SAND AFS 25-35- PH25

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 (%)	51.27
SiO2 (%)	0.82
FeO (%)	23.38
Cr :Fe Ratio	1.94
CaO (%)	0.19
Al2O3 (%)	13.36
MgO	10.63
AFS	25.61
Moisture	0.0005
Turbidity	190 NTU
Turbidity	63.33 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	9.06	10	91	9.06	9.06	90.94		
600	42.83	20	857	42.83	51.90	48.10	1000.00	42834
425	37.92	30	1138	37.92	89.82	10.18	500.00	18962
300	6.82	40	273	6.82	96.64	3.36	355.00	2421
212	1.88	50	94	1.88	98.52	1.48	250.00	470
150	1.3	70	91	1.30	99.82	0.18	180.00	234
106	0.18	100	18	0.18	100.00	0.00	125.00	23
75	0	140	0	0.00	100.00	0.00	90.00	0
53	0	200	0	0.00	100.00	0.00	63.00	0
PAN	0	300	0	0.00	100.00	0.00	45.00	0
	99.99		2561	#DIV/0!				64944
Initial Mass (g)	145.2							
Losses (%)	31.14%							

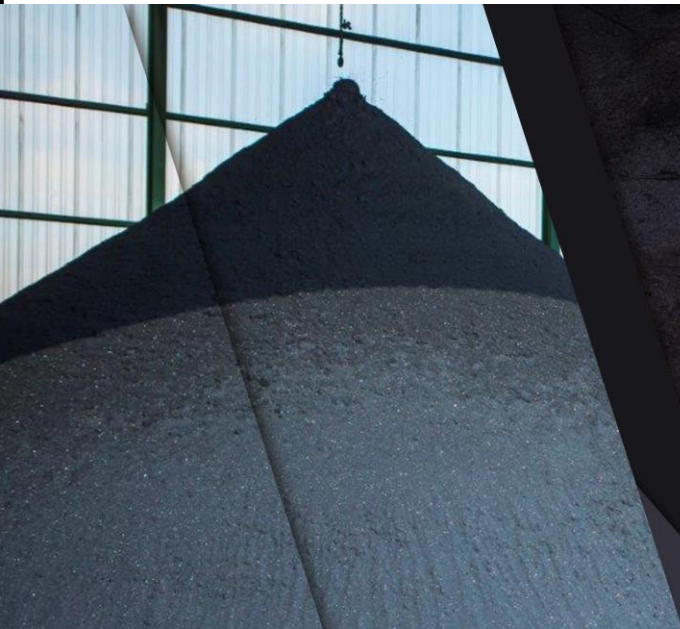
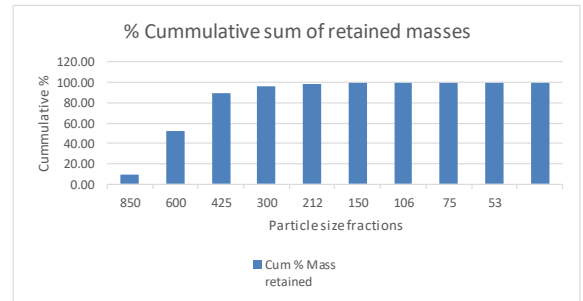
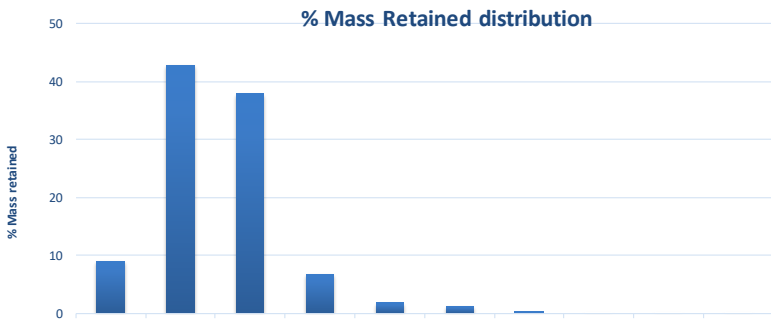
\* AFS **25.61**

AFS Required

\* Fines < 106µm **0.00 %**

\* Avg grain size **649 µm**

Analytical Method used



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