



RAND YORK
MINERALS

Official Certificate of Analysis

Reg No. 1985/004951/07

Vat No. 4400137867

Tel: +27 (11) 463 9000

Fax +27 (11) 463 7002

Email: randyork@mweb.co.za

Benmore 2010 South
Africa

PO Box 650755

BATCH SPECIFICATION SHEET -
PH-17

RANDYORKSA.COM



FOUNDry CHROMITE SAND AFS 17-25 – PH17

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

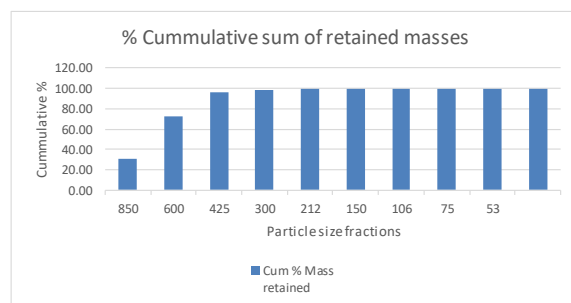
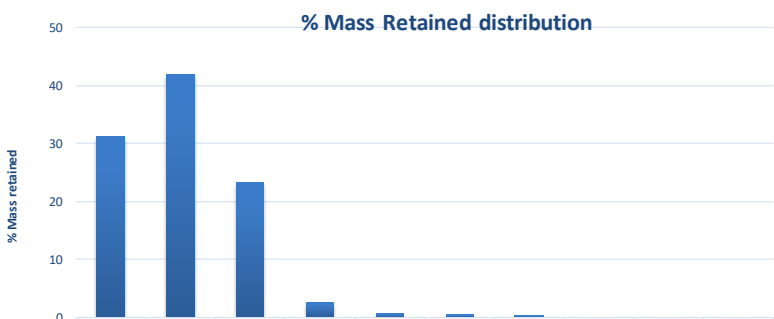
ANALYSIS ON DRY BASIS

ANALYSIS/DETERMINATION	Typical VALUE
CR2O3 (%)	51.13
SiO2 (%)	0.65
FeO (%)	23.25
Cr :Fe Ratio	1.94
CaO (%)	0.13
Al2O3 (%)	13.57
MgO	10.96
AFS	20.29
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	31.1	10	311	31.10	31.10	68.90		
600	41.8	20	836	41.80	72.90	27.10	1000.00	41800
425	23.18	30	695	23.18	96.08	3.92	500.00	11590
300	2.63	40	105	2.63	98.71	1.29	355.00	934
212	0.69	50	35	0.69	99.40	0.60	250.00	173
150	0.45	70	32	0.45	99.85	0.15	180.00	81
106	0.15	100	15	0.15	100.00	0.00	125.00	19
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
	100.00		2029	#DIV/0!				54596
Initial Mass (g)	145.2							
Losses (%)	31.13%							

* AFS **20.29**
 AFS Required
 * Fines < 106µm **0.00 %**
 * Avg grain size **546 µm**
 Analytical Method used



RAND YORK
MINERALS

Tel: +27 (11) 463 9000
Fax +27 (11) 463 7002
Email: randyork@mweb.co.za
Benmore 2010 South Africa
PO Box 650755

