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**MILLERS & PROCESSORS OF BASE MINERALS**

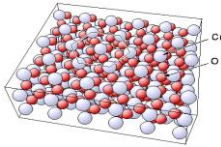


Approved by: E. Wenger  
Compiled by: D. Prevoo

Doc No: DS 003  
Rev No: 07

Date: 02 April 2012  
Page: 1 of 2

## Data Sheet



**Product: Chrome Flour**  
**Grade: Export Grade**

## CHEMICAL ANALYSIS %

Typical:

<b>Cr<sub>2</sub>O<sub>3</sub></b>	44 - 46%	<b>MgO</b>	10 - 11%
<b>SiO<sub>2</sub></b>	3 - 4%	<b>Al<sub>2</sub>O<sub>3</sub></b>	14 - 15%
<b>CaO</b>	0.5 - 1.0%	<b>Cr/Fe</b>	1 : 1.54
<b>FeO</b>	25 - 26%		

## PHYSICAL PROPERTIES:

<b>Particle Size:</b>	45 µm	- 2-3%
	Moisture	- 0.2% max
<b>Specific Density:</b>	4.46 g/cm <sup>3</sup>	
<b>Density:</b>	Dry Bulk Density 1700kgs/Cubic Metre	
<b>pH:</b>	9 10% Watermix	
<b>Expansion coefficient:</b>	25°C - 300°C	229.2 x 10 <sup>-7</sup> Cubical
	300°C - 500°C	240 x 10 <sup>-7</sup> Cubical
<b>% &lt; 80 Microns:</b>	Nil – See below Graph	
<b>Diameter D50:</b>	8.286 Microns	

## APPLICATION:

Colourant in glass and ceramics. Refractory monolithics and bricks.  
Chemicals

## PACKING:

Packed in 25kg or 40kg -3 ply paper bags, stretch wrapped on pallets, or 1m/t polypropylene bags.

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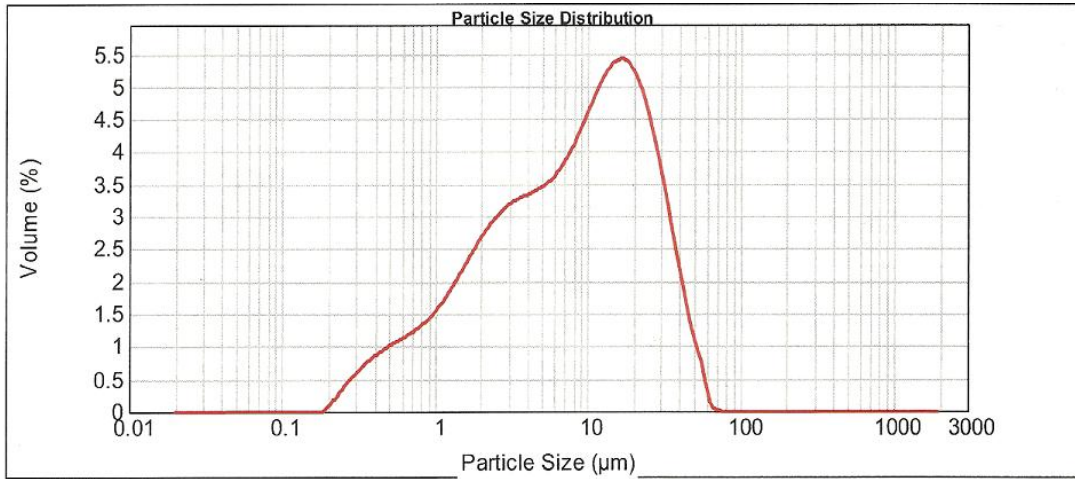
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Size (µm)	Vol Under %	Size (µm)	Vol Under %	Size (µm)	Vol Under %	Size (µm)	Vol Under %	Size (µm)	Vol Under %	Size (µm)	Vol Under %
0.020	0.00	0.142	0.00	1.002	9.33	7.096	46.00	50.238	99.01	355.656	100.00
0.022	0.00	0.159	0.00	1.125	10.55	7.962	48.99	56.368	99.69	399.052	100.00
0.025	0.00	0.178	0.00	1.262	11.90	8.934	52.16	63.246	99.97	447.744	100.00
0.028	0.00	0.200	0.02	1.416	13.39	10.024	55.54	70.963	100.00	502.377	100.00
0.032	0.00	0.224	0.15	1.589	15.04	11.247	59.13	79.621	100.00	583.677	100.00
0.036	0.00	0.252	0.38	1.783	16.84	12.619	62.91	89.337	100.00	632.456	100.00
0.040	0.00	0.283	0.72	2.000	18.79	14.159	66.85	100.237	100.00	709.627	100.00
0.045	0.00	0.317	1.16	2.244	20.88	15.887	70.90	112.468	100.00	796.214	100.00
0.050	0.00	0.356	1.69	2.518	23.09	17.825	74.96	126.191	100.00	893.367	100.00
0.056	0.00	0.399	2.30	2.825	25.39	20.000	78.97	141.589	100.00	1002.374	100.00
0.063	0.00	0.448	2.98	3.170	27.78	22.440	82.81	158.866	100.00	1124.683	100.00
0.071	0.00	0.502	3.72	3.557	30.23	25.179	86.39	178.250	100.00	1261.915	100.00
0.080	0.00	0.564	4.51	3.991	32.71	28.251	89.61	200.000	100.00	1415.892	100.00
0.089	0.00	0.632	5.35	4.477	35.24	31.698	92.42	224.404	100.00	1588.656	100.00
0.100	0.00	0.710	6.24	5.024	37.82	35.566	94.76	251.785	100.00	1782.502	100.00
0.112	0.00	0.796	7.20	5.637	40.45	39.905	96.62	282.508	100.00	2000.000	100.00
0.126	0.00	0.893	8.22	6.325	43.17	45.000	98.08	316.979	100.00		

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