



Data Sheet

**"OPTICHROME"
CHROME SAND
AFS 45-50**

DESCRIPTION :-

Washed, dried and graded chromite with low acid insolubles

CHEMICAL ANALYSIS % :-

Cr2O3	:	46.40	LOI	:	0,30
SiO2	:	0.80	NiO	:	0,15
FeO	:	24.70	V	:	0,21
Al2O3	:	15.15	LOI	:	0,40%
CaO	:	0.25	P	:	0,005
MgO	:	10.1	S	:	0,003
TiO2	:	0.60	Cr:Fe	:	1,58

PHYSICAL PROPERTIES :-

Grading	:	0.1 - 0.6mm	Turbidity	180ppm		
Moisture	:	< 0.2%	Acid demand	pH3 <5		
Natural Colour	:	Shiny Black granules		pH4 <4		
pH	:	8		pH5 <3		
Bulk Density	:	2800 kg /m3		pH6 <3		
S.G.	:	4,5				
Hardness (Mohs)	:	5,5				
Grading	#	MM	ACTUAL %	#	MM	ACTUAL %
	20	+0.850	0,24	100	+0.150	15,1
	30	+0.600	3,8	140	+0.106	1,2
	40	+0.425	12,4	200	+0.75	0,4
	50	+0.300	32,8	270	+0.53	0,1
	70	+0.212	29,7	-270	-53	0,1

USES :-

Ceramics, chrome chemicals, coatings.

Completed :	T.Carolin	Approved By _____	Approved :	S. Gregory
Title :	Quality Manager		Title :	Director
Date of Issue :	2013-05-30		Revision :	5

No liability is accepted for infringement of Patents or misuse of the product.
A hard copy of this document is valid only for two weeks from the printed date above, provided this page carries the document approval name, title and date details, for extended periods this page must also carry a green OPTIMIN Approved stamp.

OPTIMUM MINERALS PTY LTD.

Lonehill Boulevard Office Park, P.O. Box 1048, Lonehill, 2062, Johannesburg, South Africa.
Tel: +27 (11) 465-6121/3/4, Fax: +27 (11) 465-2242/8338, E-Mail: sales@optimin.co.za
Visit our Web-Page : <http://www.optimin.co.za>

