



TECHNICAL DATA SHEET

Obsidian

Description	A dark grey free flowing powder
Pigment Type	Platelets of mica coated with titanium dioxide, ferric ammonium ferrocyanide, iron oxide and carmine
INCI Name	Mica (and) Titanium Dioxide (and) CI 77510 (and) CI 77491 (and) CI 75470

Chemical Composition	By weight (%)	CAS	CI Number	Einecs
Mica	44-57	12001-26-2	77019	310-127-6
TiO ₂	41-49	13463-67-7	77891	236-675-5
Ferric Am. Ferrocyanide	1,5-3,5	25869-00-5	77510	247-304-1
Red Iron Oxide	0,7-2,8	1309-37-1	77491	215-168-2
Carmine	0,2-1,3	1390-65-4	75470	215-724-4

Trace Elements	Value max.	Unit
Antimony (Sb)	2	ppm
Arsenic (As)	1	ppm
Cadmium (Cd)	1	ppm
Chromium (Cr)	100	ppm
Copper (Cu)	50	ppm
Lead (Pb)	10	ppm
Mercury (Hg)	1	ppm
Nickel (Ni)	200	ppm
Zinc (Zn)	50	ppm

	Specification	Unit
PH (10 % aqueous solution)	6-10	pH
Particle size (90 % within the range)	10-60	µm
Loss on drying (105 °C)	< 0,5 %	%



	Specification	Unit
Density (g/cm ³)	2,8–3,4	g/cm ³
Oil Absorption	55–80	g/100 g
Total amount of bacteria	< 100	cfu/g
Yeast and Mould	< 100	cfu/g
Pathogens	negative	
Color/Luster	visual	

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