



TECHNICAL DATA SHEET

Sapphire

Description	A deep blue free flowing powder
Pigment Type	Platelets of mica coated with titanium dioxide and ferric ferrocyanide
INCI Name	Mica (and) Titanium Dioxide (and) CI 77510

Chemical Composition	By weight (%)	CAS	CI Number	Einecs
Mica	40-53	12001-26-2	77019	310-127-6
TiO ₂	42-50	13463-67-7	77891	236-675-5
Ferric Ferrocyanide	5-10	14038-43-8	77510	237-875-5

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)	5-8	pH
Particle size (90 % within the range)	10-60	µm
Loss on drying (105 °C)	< 0,5 %	%



	Specification	Unit
Density (g/cm ³)	2,8–3,2	g/cm ³
Oil Absorption	50–80	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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