



# Technical Data Sheet (TDS)

## Sapphire™ Product Information

INCI Name	Percentages	CI Numbers	CAS Numbers
Mica	58 - 75%	77019	12001-26-2
Titanium Dioxide	18 - 35%	77891	13463-67-7
Iron Oxide Black	<2%	77499	1317-61-9
Manganese Violet	<1%	77742	10101-66-3
Ultramarines	<1%	77007	1317-97-1

## Physical Properties

Form:	Dry Powder
Appearance:	Lustrous Blue Powder
Average Particle Size:	10 - 60µm (microns)
pH Range:	6.00 - 9.00
Thermal Stability:	800 °C / 1472 ° F
Oil Absorption / 100g (% by wt):	50 - 65

## Microbial Purity

Total Viable Aerobic Count:	<100CFU/g
E.Coli:	Absent in 1g
Pseudomonas aeruginosa:	Absent in 1g
Staphylococcus aureus:	Absent in 1g
Salmonella species:	Absent in 10g
Candida albicans:	Absent in 1g

## Heavy Metals

As <2.0 ppm	Hg <1.0 ppm
Ba <50.0 ppm	Ni <8.0 ppm
Cd <1.0 ppm	Pb <5.0 ppm
Cr <20.0 ppm	Sb <1.0 ppm
Cu <50.0 ppm	Zn <50.0 ppm

## Other Information

This colourant is compliant with Regulation (EC) No.1223/2009 (Annex IV)  
This TDS is electronically generated and is therefore valid without a signature

All the information contained in this document is to the best of this company's knowledge true and accurate.  
The user must determine from the information provided herein as to the suitability of this product in relation to their own particular use.

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