

# Technical Data Sheet



## Black

Cosmetic Pigment

**PRODUCT NO.** MICA S-6  
**INCI NAME:** Iron Oxides (and) Mica (and) Titanium Dioxide  
**APPEARANCE:** Black lustrous powder

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<b>CHEMICAL COMPOSITION:</b>	%	C.I.No.	CAS No.	EINECS No.
Fe <sub>3</sub> O <sub>4</sub>	46.0 – 54.0	77499	1317-61-9	215-277-5
Mica	36.0 – 50.0	77019	12001-26-2	310-127-6
TiO <sub>2</sub>	4.0 – 10.0	77891	13463-67-7	236-675-5

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**PARTICLE SIZE DISTRIBUTION:** 10.0 – 60.0 µm (80 % within range)  
(Laser Diffraction) 18.0 – 25.0 µm (D50: median size)

**pH:** 7.0 – 10.0  
(10 % aqueous dispersion; ISO 787-9)

**LOSS ON DRYING:** < 0.5 %  
(105°C; 2 hours; ISO 787-2)

**MICROBIAL PURITY:** Total Viable Aerobic Count < 100 CFU/g  
(USP, Ph. Eur.)

E. coli absent in 1 g  
Pseudomonas aeruginosa absent in 1 g  
Staphylococcus aureus absent in 1 g  
Salmonella species absent in 10 g  
Gram negative bacteria absent in 1 g  
Candida albicans absent in 1 g

**HEAVY METALS:** As < 2 ppm Hg < 1 ppm  
(Modified CTFA and internal methods) Ba < 50 ppm Ni < 10 ppm  
Cd < 3 ppm Pb < 10 ppm  
Cr < 100 ppm Sb < 1 ppm  
Cu < 50 ppm Zn < 50 ppm

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### ADDITIONAL DATA:

The following data is included for informational purposes only and is not part of the product specifications.

**BULK DENSITY:** (Scott Volumeter) 3.9 – 4.4 g/in<sup>3</sup>  
**OIL ABSORPTION:** (ASTM D281-84) appr. 90 g/100 g pigment  
**SHELF LIFE:** 10 Years

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**DATE:** 04/2018