

# Technical Data Sheet



## 24 Karat Gold

Cosmetic Pigment

**PRODUCT NO.** MICA S-8  
**INCI NAME:** Mica (and) Titanium Dioxide (and) Iron Oxides  
**APPEARANCE:** Bright golden sparkling powder

CHEMICAL COMPOSITION:	%	C.I.No.	CAS No.	EINECS No.
Mica	74.0 – 85.0	77019	12001-26-2	310-127-6
TiO <sub>2</sub>	10.0 – 16.0	77891	13463-67-7	236-675-5
Fe <sub>2</sub> O <sub>3</sub>	5.0 – 10.0	77491	1309-37-1	215-168-2

**PARTICLE SIZE DISTRIBUTION:** 10.0 – 150.0 µm (80 % within range)  
(Laser Diffraction) 65.0 – 82.0 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

**ADDITIONAL DATA:**  
The following data are included for informational purposes only and are not part of the product specifications.

**BULK DENSITY:** (Scott Volumeter) 3.2 – 3.8 g/in<sup>3</sup>  
**OIL ABSORPTION:** (ASTM D281-84) appr. 88 g/100 g pigment  
**SHELF LIFE:** 10 Years

**DATE:** 08/2018