

Technical Data Sheet

Timiron® MP-24 Karat Gold

Cosmetic Pigment

PRODUCT NO.	017403
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 ₂	8.0 – 15.0	77891	13463-67-7	236-675-5
Fe ₂ O ₃	7.0 – 11.0	77491	1309-37-1	215-168-2

PARTICLE SIZE: 10.0 – 150.0 µm (80 % within range)
(Laserbeam Diffraction; Malvern 2000) 56.0 – 70.0 µm (D50: median size)

pH: 6.0 – 9.0
(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: (Modified CTFA and internal methods)

As < 2 ppm	Hg < 1 ppm
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 is included for informational purposes only and is not part of the product specifications.

BULK DENSITY: (Scott Volumeter) 4.2 – 4.8 g/in³
OIL ABSORPTION: (ASTM D281-84) appr. 95 g/100 g pigment
SHELF LIFE: 5 Years

DATE: 06/2007

Rona

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