

technical datasheet

1.17740 Timiron® Ice Crystal

Cosmetic Pigment

CHEMICAL COMPOSITION:	%	COLOR INDEX NO.	CAS NO.	EINECS NO.
Fluorophlogopite	82.0 - 92.0		12003-38-2	234-426-5
Titanium Dioxide	8.0 - 16.0	77891	13463-67-7	236-675-5
Tin Oxide	≤ 2.0		18282-10-5	242-159-0

INCI NAME: Synthetic Fluorophlogopite, CI 77891 (Titanium Dioxide), Tin Oxide

APPEARANCE: Sparkly silverwhite powder

PARTICLE SIZE: 20.0 - 180.0 µm (80 % within range)
(laser diffraction) 80.0 - 105.0 µm (D₅₀: median size)

pH: 5.0 - 10.0
(10% aqueous suspension, ISO 787-9)

LOSS ON DRYING: ≤ 0.5 %
(105°C, 2 hours, ISO 787-2)

MICROBIAL PURITY: (USP, Ph. Eur., JP.)	Total Viable Aerobic Count	≤ 100 CFU/g
	E. coli	absent in 1 g
	Pseudomonas aeruginosa	absent in 1 g
	Staphylococcus aureus	absent in 1 g
	Salmonella species	absent in 10 g
	Candida albicans	absent in 1 g
	Gram negative bacteria	absent in 1 g

HEAVY METALS: (Modified PCPC 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 information purposes and is not part of the product specifications:

BULK DENSITY: 22 - 32 g/100 ml
(ISO 3923-2, ASTM B329-06)

OIL ABSORPTION: 65 - 85 g/100 g
(ISO 787-5, ASTM D281)

SHELF LIFE: 10 years

DATE OF ISSUE: 2016

NOTE: For further information see Specification and Material Safety Data Sheet.

Tin Oxide is used as an auxiliary agent, not as a colorant.

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