

technical datasheet

1.17487 Colorona® Egyptian Emerald

Cosmetic Pigment

CHEMICAL COMPOSITION:	%	COLOR INDEX NO.	CAS NO.	EINECS NO.
Titanium Dioxide	23.0 - 31.0	77891	13463-67-7	236-675-5
Mica	26.0 - 47.0	77019	12001-26-2	310-127-6
Iron Oxide	26.0 - 34.0	77499	1317-61-9	215-277-5
Chromium Oxide	4.0 - 9.0	77288	1308-38-9	215-160-9

INCI NAME: CI 77891 (Titanium Dioxide), CI 77499 (Iron Oxides), Mica, CI 77288 (Chromium Oxide Greens)

APPEARANCE: Lustrous dark-green powder

PARTICLE SIZE: (laser diffraction) 10.0 - 60.0 µm (80 % within range)
18.0 - 25.0 µm (D₅₀: median size)

pH: (10% aqueous suspension, ISO 787-9) 3.0 - 6.0

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

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
	Cu ≤	50 ppm	Sb ≤	1 ppm
	Zn ≤	50 ppm		

ADDITIONAL DATA: The following data is included for information purposes and is not part of the product specifications:

BULK DENSITY: 28 - 38 g/100 ml
(ISO 3923-2, ASTM B329-06)

OIL ABSORPTION: 50 - 70 g/100 g
(ISO 787-5, ASTM D281)

SHELF LIFE: 5 years

DATE OF ISSUE: 2016

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

Soluble Chromium (in 2 % NaOH extract) \leq 750 ppm as Chromium Oxide Greens (FDA, CFR-21).

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