

technical datasheet

1.17324 Colorona® Dark Blue

Cosmetic Pigment

CHEMICAL COMPOSITION:	%	COLOR INDEX NO.	CAS NO.	EINECS NO.
Mica	43.0 - 57.0	77019	12001-26-2	310-127-6
Titanium Dioxide	40.0 - 48.0	77891	13463-67-7	236-675-5
Ferric Ferrocyanide	3.0 - 9.0	77510	14038-43-8	237-875-5

INCI NAME: Mica, CI 77891 (Titanium Dioxide), CI 77510 (Ferric Ferrocyanide)

APPEARANCE: Dark blue lustrous powder

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

pH: 4.0 - 7.0
(10% aqueous suspension, ISO 787-9)

LOSS ON DRYING: ≤ 1.0 %
(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: 24 - 34 g/100 ml
(ISO 3923-2, ASTM B329-06)

OIL ABSORPTION: 69 - 89 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.

This pigment contains Iron Blue (Ferric Ferrocyanide) which is unstable in alkali and some salts. Care must be taken when formulating this product in aqueous systems to prevent color change.

Products are warranted to meet the specifications set forth on their label/packaging and/or certificate of analysis at the time of shipment or for the expressly stated duration. MERCK MAKES NO REPRESENTATION OR WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE REGARDING OUR PRODUCTS OR ANY INFORMATION PROVIDED IN CONNECTION THEREWITH. Customer is responsible for and must independently determine suitability of Merck's products for customer's products, intended use and processes, including the non-infringement of any third parties' intellectual property rights. Merck shall not in any event be liable for incidental, consequential, indirect, exemplary or special damages of any kind resulting from any use or failure of the products: All sales are subject to Merck's complete Terms and Conditions of Sale. Prices are subject to change without notice. Merck reserves the right to discontinue products without prior notice.