

**TECHNICAL DATA SHEET**Effective date: 01.2021  
Rev.1**Blue 83 Mica Cosmetic Pigment****INFORMATION ON SUBSTANCE / MIXTURE**

INCI	CI 77510, CI 77891, Mica
Origin	Inorganic pearlescent pigment
PCPC name	Ferric Ammonium Ferrocyanide, Titanium Dioxide, Mica
Description	Titanium dioxide and ferric ferrocyanide coated mica
Color Index	77510, 77891

**TECHNICAL DATA****Composition**

Mica	50 – 60 %
CI 77891 (Rutile)	20 – 30 %
CI 77510	15 – 25 %

**Physical parameters**

Appearance	Solid, powder
Color	Blue pearl
Solubility	Insoluble in oil and water.
Light stability	Good
Particle size	10 - 80 µm

**Chemical parameters**

<b>Heavy metals</b>	<b>ppm</b>
Lead	0 - 10
Arsenic	0 - 3
Mercury	0 - 1
Chromium	0 - 100
Antimony	0 - 10
Zinc	0 - 100
Nickel	0 - 100
Copper	0 - 100

**TECHNICAL DATA SHEET**Effective date: 01.2021  
Rev.1**Blue 83 Mica Cosmetic Pigment**

Cobalt	0 - 30
Selenium	0 - 10
Barium	0 - 50
Cadmium	0 - 1

**TRANSPORT, STORAGE and SHELF LIFE**

Storage conditions	Store in closed containers, keep dry and avoid humidity.
Shelf Life	5 years, in closed packaging and the recommended conditions.
Custom tariff	-

**LEGISLATION**

Certification	-
CMR	In February 2006, IARC concluded "there is inadequate evidence in humans for the carcinogenicity of titanium dioxide". Based on rat inhalation studies IARC concluded that there is sufficient evidence in experimental animals for the carcinogenicity of titanium dioxide, IARC's overall evaluation was that "Titanium dioxide is possibly carcinogenic to humans (group 2B)". This conclusion was based on IARC's guidelines which require such a classification if two or more independent studies in one species carried out at different times or indifferent laboratories or under different protocols show evidence of tumors.
Nanomaterials	According to measurement results the reference mentioned above is not considered a nanomaterial.
Animal testing	We hereby certify that the above raw material has not been tested or re-tested on animals for cosmetic purposes.
Residual solvents	We hereby certify that the above mentioned raw material is conformed to acceptable amounts for residual solvents described in the note for guidance CPMP/ICH/283/95.
Directive 76/768/CE & adaptations	We hereby certify that the above raw material does not contain any forbidden substance by the Cosmetic Directive 76/768, the Cosmetic Regulation n°1223/2009 and its adaptations.
EU - 1223/2009/EC <sup>[1]</sup>	Annex IV : CI 77510 *, Annex IV : CI 77891 *
EU - 231/2012/EU <sup>[1]</sup>	E171
USA	Ferric Ammonium Ferrocyanide *** (meets the requirements of U.S Title 21 CFR § 73.2298) Titanium Dioxide ** (meets the requirements of U.S Title 21 CFR § 73.2575)
JAPAN	Ferric Ferrocyanide, Titanium Dioxide

**TECHNICAL DATA SHEET**Effective date: 01.2021  
Rev.1**Blue 83 Mica Cosmetic Pigment**

---

EINECS	247-304-1/ 236-675-5/ 310-127-6
CAS	25869-00-5/ 13463-67-7/ 12001-26-2

\* Product type, body part : allowed in all cosmetics. \*\* exempt from certification ; for coloring cosmetics, including cosmetics applied to the area of the eye. [1] including amendments

**DISCLAIMER**

All warranty claims in respect to the conformity of our product are subject to our General Terms and Conditions of Sale and Delivery. The data listed above reflects the results of the manufacturer or our supplier quality tests. We do not hereby make any express or implied warranty, whether for specific properties or for fitness for any particular application or purpose. All values are valid for the product when dispatched from the works. We recommend you perform your own quality and or identification checks on receipt.