

**TECHNICAL DATA SHEET**Effective date: 01.2021
Rev.1**Brown 23 Oxide Cosmetic Pigment****INFORMATION ON SUBSTANCE / MIXTURE**

INCI	CI 77499, CI 77491, CI 77492
Origin	Mineral pigment
PCPC name	Iron oxides, Iron oxides, Iron oxides
Description	High purity brown iron oxide
Color Index	77499/ 77491/ 77492
Additives (< 0,1 %)	Alumina, Magnesium Oxide

TECHNICAL DATA**Physical parameters**

Appearance	Solid, powder
Color	Brown
Solubility	Insoluble in oil and water.
Water soluble matter	Max 0.3 %
Volatile matter (105°C)	Max 1.0 %
Specific surface	8 - 13 m ² /g
Light stability	Good

Chemical parameters

Heavy metals	ppm
Lead	0 - 10
Zinc	0 - 100
Arsenic	0 - 3
Copper	0 - 50
Mercury	0 - 1
Barium	0 - 50
Chromium	0 - 50
Cadmium	0 - 1
Nickel	0 - 50
Cobalt	0 - 30

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Antimony	0 - 10
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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	We hereby certify that the above raw material does not contain any substance classified CMR category 1A, 1B, 2 (Carcinogen, Mutagen, toxic for the Reproduction) according to the 1272/2008 (EC) Regulatory and adaptations.
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.
Cosmetic Regulation 1223/2009/EC & Adaptations	We hereby certify that the above raw material does not contain any forbidden substance by the Cosmetic Regulation n°1223/2009 and its adaptations.
Residual solvent	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.
EU - 1223/2009/EC ^[1]	Annex IV : CI 77499 *, Annex IV : CI 77491 *, Annex IV : CI 77492 *
EU - 231/2012/EU ^[1]	E172, E172, E172
USA	Iron oxides ** (meets the requirements of U.S. Title 21 CFR § 73.2250)
JAPAN	Black oxide of iron, Red oxide of iron, Yellow oxide of iron
CHINA	CI 77499 *, CI 77491 *, CI 77492 *
EINECS	215-277-5/ 215-168-2/ 257-098-5
CAS	1317-61-9/ 1309-37-1/ 51274-00-1

* 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



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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.