



TECHNICAL DATA SHEET

Iron Oxide Yellow/Ochre

Description	Synthetic, odorless yellow iron oxide
INCI Name	CI 77492
FDA Status	Certified for Pharmaceuticals and Cosmetics
EG Status	E 172

Chemical Composition	By weight	CAS No.	CI Number	Einecs
Yellow Iron Yellow	100 %	51274-00-1	77492	257-098-5

Trace Elements	max.	Result
Arsenic (AS)	3 ppm	1 ppm
Lead (PB)	10 ppm	1 ppm
Mercury (Hg)	1 ppm	0 ppm
Cadmium (Cd)	1 ppm	0,1 ppm
Zinc (Zn)	100 ppm	51 ppm
Chromium (Cr)	100 ppm	25 ppm
Copper (Cu)	50 ppm	2 ppm
Nickel (Ni)	200 ppm	70 ppm

Water soluble matter	max. 0,4 %
Bulk Density	4,5 g/ml
Oil Absorption	50 g/100 g
Particle size	0,1 x 0,8 µm (nano)
Particle shape	needle-shaped
Loss on ignition	max. 12,0 %

In the production process of this product the manufacturer uses only selected raw materials with high purity. These products fulfill all requirements of the cosmetic industry. This product are subject to certain test procedures and fulfill high dermatological standards.



The pigment meets the requirements of the following regulations for the use of iron oxides and hydroxides in food, cosmetics or Cigarette paper: EU Directive 95/45/EC, FDA 21 CFR 73.200, new version of the German Cosmetics Regulation (1997), EU Directive for Cosmetics 76/768/EEC and Supplements, FDA 21 CFR 73.2250, German Tobacco Regulation (1998).

The above information is the result of the quality check of our producer/supplier. They don't free the processor from own tests and the implementation of an entrance check. A legal binding assurance of certain characteristics or suitability for a specific purpose cannot be derived from this information. Any intellectual property rights as well as existing laws and regulations must be observed by the recipient under his own responsibility.

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