



TECHNICAL DATA SHEET

Iron Oxide Black

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|--------------------|---|
| Description | Synthetic, odorless black 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 |
|-----------------------------|------------------|----------------|------------------|---------------|
| Black Iron Yellow | 100 % | 1317-61-9 | 77499 | 235-442-5 |

| Trace Elements | max. | Result |
|-----------------------|-------------|---------------|
| Arsenic (AS) | 3 ppm | 1 ppm |
| Lead (PB) | 10 ppm | 1 ppm |
| Barium (Ba) | 50 ppm | 1 ppm |
| Cadmium (Cd) | 1 ppm | 0,1 ppm |
| Zinc (Zn) | 100 ppm | 31 ppm |
| Chromium (Cr) | 100 ppm | 8 ppm |
| Copper (Cu) | 50 ppm | 2 ppm |
| Nickel (Ni) | 200 ppm | 120 ppm |

| | |
|-----------------------------|-----------|
| Water soluble matter | max. 1 % |
| Bulk Density | 4,6 g/ml |
| Particle size | 0,3 µm |
| Particle shape | spherical |
| Loss on ignition | < 5 % |

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).



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