

CERTIFICATE OF ANALYSIS

Eisenoxid gelb / Iron oxide yellow

Batch: **IN-220486-1**

Reference: EU: E-172 OXIDES AND IRON HYDROXIDES
C.I.: 77492
C.I.: Pigment Yellow 42

Description: Odourless yellow-ochre powder.

Solubility: Water: Insoluble / Ethanol: Insoluble / Conc. HCl: Soluble.

Iron test: Positive
(Positive identification: By reaction dissolution YELLOW OXIDE A in conc. HCl. with 1N Ammonium Thiocyanate)

Analysis:	Specification	Result
Total iron content	60.00 – 100.00 %	61,13 %
Water soluble matter	0.00 – 1.00 %	0.15 %
Arsenic (As)	0.00 – 3.00 p.p.m.	0.096 p.p.m.
Cadmium (Cd)	0.00 – 1.00 p.p.m.	0.327 p.p.m.
Chromium (Cr)	0.00 – 100.00 p.p.m.	13.24 p.p.m.
Copper (Cu)	0.00 – 50.00 p.p.m.	1.324 p.p.m.
Lead (Pb)	0.00 – 10.00 p.p.m.	0.005 p.p.m.
Mercury (Hg)	0.00 – 1.00 p.p.m.	0.005 p.p.m.
Nickel (Ni)	0.00 – 200.00 p.p.m.	5.546 p.p.m.
Zinc (Zn)	0.00 – 100.00 p.p.m.	75.11 p.p.m.

This product meets the requirements of:

Regulation (EU) 1129/2011 from 11 November 2011 (List of permitted food colours)
Regulation (EU) 231/2012 from 9 March 2012 (Purity norms for food colours)
FDA 21 CFR Part. 73 (Regulations Food and Drug Administration of USA)
Regulation (EC) No 1223/2009 of 30 November 2009 (Recast of 76/768/EEC Regulations for Cosmetics)
