

CERTIFICATE OF ANALYSIS



Eisenoxid Schwarz

BATCH: **212579**

Reference: EU: E-172 OXIDES AND IRON HYDROXIDES
C.I.: 77499
C.I.: Pigment Black 11

Description: Odourless black powder.

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

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

Analysis:	Specification	Result
Total iron content	68.00 – 100.00 %	71.73 %
Water soluble matter	0.00 – 1.00 %	0.21 %
Arsenic (As)	0.00 – 3.00 p.p.m.	0.736 p.p.m.
Cadmium (Cd)	0.00 – 1.00 p.p.m.	0.2 p.p.m.
Chromium (Cr)	0.00 – 100.00 p.p.m.	19.13 p.p.m.
Copper (Cu)	0.00 – 50.00 p.p.m.	1.519 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.	0.006 p.p.m.
Nickel (Ni)	0.00 – 200.00 p.p.m.	0.836 p.p.m.
Zinc (Zn)	0.00 – 100.00 p.p.m.	22.99 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)

This pigment meets the requirements of Regulation (EC) No 1223/2009 of 30 November 2009 (Recast of 76/768/EEC Regulations for Cosmetics)
