



Certificate of Analysis
(Representative Sample Certificate)

Product Name: Iron Oxide Black
INCI Name: CI 77499 (iron oxide black)
CAS Number: 1317-61-9
Lot Number: Not available (data may vary slightly with different lots or batches)
Expiration Date: 120 months from production date

Analytical Tests	Specifications	Results
Water Soluble Matter	Not more than 1.0% by total dissolution	Conforms
Arsenic	Not more than 3mg/kg by total dissolution	1.00
Barium	Not more than 50mg/kg by total dissolution	5.00
Cadmium	Not more than 5mg/kg by total dissolution	1.00
Chromium	Not more than 100mg/kg by total dissolution	16.00
Copper	Not more than 50mg/kg by total dissolution	10.00
Lead	Not more than 10mg/kg by total dissolution	4.00
Mercury	Not more than 1mg/kg by total dissolution	0.20
Nickel	Not more than 200mg/kg by total dissolution	47.00
Zinc	Not more than 100mg/kg by total dissolution	21.00
Total Pathogens		None

This product complies with all FDA requirements for color additives as listed in 21 CFR parts 73.200, 73.1200 and 73.2250: the requirements for E172 found in EC Directive 95/45/EC.

The above data were obtained using the test indicated and is subject to the deviation inherent in the test method. Results may vary under other test methods or conditions.

This report is not to be signed.

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