

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
Antimony	10.00 ppm MAX	0.00 ppm
Arsenic	3.00 ppm MAX	0.09 ppm
Barium	50.00 ppm MAX	0.00 ppm
Cadmium	1.00 ppm MAX	0.00 ppm
Chromium	50.00 ppm MAX	33.87 ppm
Cobalt	30.00 ppm MAX	20.58 ppm
Copper	50.00 ppm MAX	6.53 ppm
Delta E	1.20 MAX	0.37
Lead	10.00 ppm MAX	0.00 ppm
Mercury	1.00 ppm MAX	0.00 ppm
Nickel	50.00 ppm MAX	7.36 ppm
Zinc	100.00 ppm MAX	26.35 ppm
Odor	Characteristic	Conforms
Total Pathogens	Negative	Negative
Appearance	Powder	Powder
LCW FR Muller Method	Matches standard	Pass

Disclaimer: This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. Such information is to be the best of the company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy himself as to the suitability & completeness of such information for his own particular use.



10800 231st Way NE
Redmond, WA 98053
Phone: 425-292-9502
makingcosmetics.com

% Total Iron Content	68.00-100.00%	98.80%
Total Plate Count	100.00 CFU/g MAX	5.00 CFU/g

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.

All data are as per our supplier.

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