

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

Property	Specification	Analysis
Antimony (SB) (ICP)	10.00 ppm MAX	0.08 ppm
Appearance (Organoleptic)	Powder	Pass
Arsenic (AS) (ICP)	3.00 ppm MAX	0.28 ppm
Assay % Fe (ICP)	68.00 - 100.00	69.00
Barium (BA) (ICP)	50.00 ppm MAX	21.17 ppm
Cadmium (CD) (ICP)	1.00 ppm MAX	0.93 ppm
Candida Albicans (USP 62)	NEG/10g	Pass
Chromium (CR) (ICP)	50.00 ppm MAX	17.15 ppm
Cobalt (CO) (ICP)	60.00 ppm MAX	18.63 ppm
Color (Organoleptic)	Black	Black
Copper (CU) (ICP)	50.00 ppm MAX	26.35 ppm
Delta E	1.20 MAX	1.72
E. Coli (USP 62)	NEG/10G	Pass
Lead (PB) (ICP)	10.00 ppm MAX	0.18 ppm
Mercury (HG)	1.00 ppm MAX	0.03 ppm

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 themselves as to the suitability & completeness of such information for their own particular use.

(ICP)		
Nickel (NI) (ICP)	50.00 ppm MAX	17.01 ppm
Odor (Organoleptic)	Characteristic	Conforms
P. Aeruginosa (USP 62)	NEG/10G	Pass
S. Aureus (USP 62)	NEG/10G	Pass
TM45	-	Matches standard
TPC Cosmetic Modified ISO	100 MAX	10
Zinc (ZN) (ICP)	100 ppm MAX	40.90 ppm

“Certified in compliance with the terms of the US-Canada Organic Equivalency Arrangement. The above data was 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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