

## Certificate of Analysis

### (Representative Sample Certificate)

**Product Name:** Iron Oxide Red  
**INCI Name:** CI 77491 (Iron oxide red), CI 77499 (Iron oxide black)  
**CAS Number:** 1309-37-1, 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  |
|--|-----------------|-----------|
| Arsenic  | 3.00 ppm MAX    | 0.17 ppm  |
| Barium   | 50.00 ppm MAX   | 0.30 ppm  |
| Cadmium  | 5.00 ppm MAX    | 0.17 ppm  |
| Chromium   | 50.00 ppm MAX   | 5.30 ppm  |
| Cobalt<br>(WJ-387)                                   | 70.00 ppm MAX   | 44.00 ppm |
| Copper   | 50.00 ppm MAX   | 4.10 ppm  |
| Delta E  | 1.20 MAX        | 0.94      |
| E. Coli  | Neg/10g         | Pass      |
| Lead   | 10.00 ppm MAX   | 0.19 ppm  |
| Mercury  | 1.00 ppm MAX    | 0.01 ppm  |
| Nickel   | 100.00 ppm MAX  | 61.37 ppm |
| P. Aeruginosa  | Neg/10g         | Pass      |
| Salmonella   | Neg/10g         | Pass      |
| S. Aureus  | Neg/10g         | Pass      |
| % Total Iron Content                                 | 68.00 - 100.00% | 77.64%    |
| TPC Cosmetic Modified ISO<br>(Modified ISO Cosmetic) | 100 MAX         | 0         |
| Yeast & Mold Cosmetic ISO                            | 100 MAX         | 0         |

**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.



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

|                         |                |          |
|-------------------------|----------------|----------|
| (Cosmetic Modified ISO) |                |          |
| Zinc                    | 100.00 ppm MAX | 7.70 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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