

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



## **Certificate of Analysis**

(Representative Sample Certificate)

Product Name: Iron Oxide Yellow

INCI Name: C177492 (iron oxide yellow)

**CAS Number:** 51274-00-1

Lot Number: Not available (data may vary slightly with different lots or batches)

**Expiration Date:** 120 months from production date

Test	Specifications	Results
Appearance	Powder	Powder
(CSOA001 Appearance)		
Odor	None	None
(CSOA003 Odor)		
Water Solubility	Insoluble	Insoluble
(CSOA004 Water Solubility)		
Full Shade (delta E < 1,2)	Pass	Pass
(CSOA098 Full Shade DE 1,2)		
Muller Blasting (delta E < 1,2)	Pass	Pass
(CSOA114 Muller 10% DE 1,2)		
Antimony	10 ppm MAX	0 ppm
(CSOA112 Antimony)		
Arsenic	3.0 ppm MAX	0 ppm
(CSOA123 Arsenic)		
Barium	50 ppm MAX	0 ppm
(CSOA124 Barium)		
Cadmium	1.0 ppm MAX	0 ppm
(CSOA126 Cadmium)		
Chromium	50 ppm MAX	29 ppm
(CSOA128 Chromium)		

<u>Disclaimer</u>: 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 suitableness & completeness of such information for his own particular use.



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Cobalt	30 ppm MAX	16 ppm
(CSOA131 Cobalt)		
Copper	50 ppm MAX	3 ppm
(CSOA132 Copper)		
Iron	60.0-100.0%	80.1%
(CSOA136 Iron %)		
Lead	10.0 ppm MAX	0 ppm
(CSOA138 Lead)		
Mercury	1.0 ppm MAX	0 ppm
(CSOA140 Mercury)		
Nickel	50 ppm MAX	4 ppm
(CSOA141 Nickel)		
Zinc	100 ppm MAX	9 ppm
(CSOA145 Zinc)		
Microbiology	Pathogens free	Pass
(CSOA147 Microbiology Path)		
Microbiology	<100 CFU/g	Pass
(CSOA297 Microbio <100)		

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 231/2012/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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