

## Certificate of Analysis

### (Representative Sample Certificate)

**Product Name:** Iron Oxide Brown, Liquid  
**INCI Name:** Iron Oxide (CI 77491), Iron Oxide (CI77492), Iron Oxide (CI77499), Octyldodecyl Oleate  
**CAS Number:** 1309-37-1, 51274-00-1, 12227-89-3, 22801-45-2  
**Lot Number:** Not available (data may vary slightly with different lots or batches)  
**Expiration Date:** 24 months from production date

Property	Specification	Analysis
Appearance	Brown viscous liquid	Pass
Odor	None	Pass
IO (CI 77491,2,9)	50.0 - 55.0%	Pass
Octyldodecyl Oleate	45.0 - 50.0%	Pass
Dispersion Particle Size	5 - 15 µm	Pass
Specific Gravity (Pigment)	1.2 - 1.4	Pass
Viscosity (10/6)	30,000 - 40,000 cPs	Pass
Heavy Metal (As)	<3 ppm	Pass
Heavy Metal (Hg)	<1 ppm	Pass
Heavy Metal (Cr)	<100 ppm	Pass
Heavy Metal (Pb)	<10 ppm	Pass
Heavy Metal (Cu)	<50 ppm	Pass
Heavy Metal (Ni)	<200 ppm	Pass
Heavy Metal (Zn)	<100 ppm	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 themselves as to the suitability & completeness of such information for their own particular use.



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Microbiology	<100 CFU/g; no pathogens	Pass
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“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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