

Certificate of Analysis

(Representative Sample Certificate)

Product Name: Red D&C #7 Lake
INCI Name: CI 15850 (red no. 7 D&C lake)
CAS Number: 5281-04-9
Lot Number: Not available (data may vary slightly with different lots or batches)
Expiration Date: 120 months from production date

Property	Specification	Analysis
CieLAB delta A (Method: 8256)	-1.250 to 1.250	1.130
CieLAB delta B (Method: 8256)	-1.250 to 1.250	0.300
CieLAB delta E (Method: 8256)	2.000 MAX	1.180
CieLAB delta L (Method: 8256)	-1.250 to 1.250	-0.130
CieLAB Strength (Method: 8256)	95.000 - 105.000	103.400
Dye Content (Method: 8A35)	100.00% MAX	42.00%
Microbiology Test (Method: 8A35)	-	Pass
Antimony (Method: 8A35)	10.00 ppm MAX	<10.00 ppm
Arsenic (Method: 8A35)	2.00 ppm MAX	<2.00 ppm
Barium (Method: 8A35)	500.00 ppm MAX	<500.00 ppm
Cadmium (Method: 8A35)	1.00 ppm MAX	<1.00 ppm
Chromium (Method: 8A35)	20.00 ppm MAX	<20.00 ppm
Cobalt (Method: 8A35)	5.00 ppm MAX	<5.00 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.

Copper (Method: 8A35)	20.00 ppm MAX	<20.00 ppm
Lead (Method: 8A35)	2.00 ppm MAX	<2.00 ppm
Mercury (Method: 8A35)	1.00 ppm MAX	<1.00 ppm
Nickel (Method: 8A35)	10.00 ppm MAX	<10.00 ppm
Selenium (Method: 8A35)	3.00 ppm MAX	<3.00 ppm
Zinc (Method: 8A35)	100.00 ppm MAX	<100.00 ppm

Colorant meets all requirements of US CFR Title 21, Parts 70-82 and EU Regulation (EC) 1223/2009, Annex IV. For coloring agents with numbers preceded by the letter E in Annex IC, colorant is compliant without Commission Regulation (UE) 231/2012.

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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