

COLOR ADDITIVE CERTIFICATE
(Representative Sample Certificate)

CARMINE

COA Date Not available (data may vary slightly with different lots or batches)
 MFG Date Not available
 Product Shelf Life Not available

% TOTAL COLOR 52%

PARAMETER	LOW – HIGH	RESULTS
Appearance	To match standard	Complies
pH (1% dispersion)	4.0 – 6.0	5.2
Volatiles @ 135°C	20% Max	5.0%
Ash	12% Max	1.2%
Arsenic	0.0000 – 1.0000	<1.0000 ppm
Lead	0.0000 – 10.0000	<10.0000 ppm
Mercury	0.0000 – 5.0000	<5.0000 ppm
Strength by UV Method	0.8 – 1.2	0.91
Dye Content % by wt.	52% Min	52.0%
Bleeding Test – In Water	Bleeding	Complies
- In Benzene	No Bleeding	Complies
- In Chloroform	No Bleeding	Complies
- In CC14	No Bleeding	Complies
- In Mineral Oil	No Bleeding	Complies
Microbiology Test:		
	<300 cfu/g	Complies
Total Plate Count:	No gram negative pathogens	Complies
Mold Count:	Not less than 1000/g	Complies
Yeast Count:	Not less than 100/g	Complies
Coliforms:	Not less than 100/g	Complies
Salmonella:	Negative/10g	Complies
E coli:	Negative/25g	Complies
	Negative/10g	Complies

This product is approved by the Food and Drug Administration and meets the specifications outlined in the Code of Federal Regulations, Title 21, Parts 73.100, 73.1100 and 73.2087.

Date of Expiration: N/A