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CERTIFICATE OF ANALYSIS

Analysis Date: Mar 2025

Re-test Date: Feb 2028

Product Name: Carmine

Identification:

Chemical Name: Aluminum(III) calcium 1-methyl-3,5,6,8-tetraoxido-9,10-dioxo-7-((2S,3R,4R,5S,6R)-3,4,5-trihydroxy-6-(hydroxymethyl)tetrahydro-2H-pyran-2-yl)-9,10-dihydroanthracene-2-carboxylate

Synonyms : Cochineal; Cochineal Extract;
Crimson Lake; Carmine Lake;
Nacarat; Alum Lake of Carminic
Acid

CAS Number : 1390-65-4

CAT Number : CP-CS4775

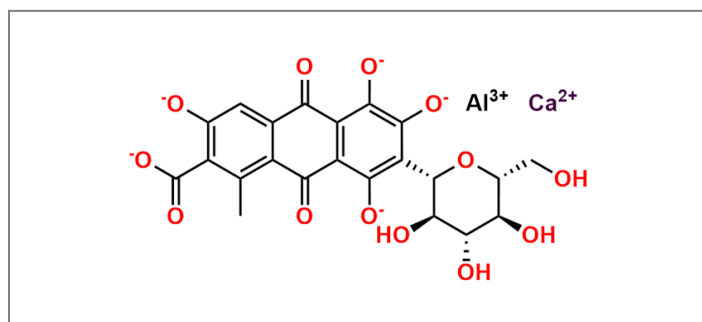
Molecular Formula : C₂₂H₁₅O₁₃ : Ca : Al

Molecular Weight : 487.35 : 40.08 : 26.98

Batch Number : CP-CAR-0325

Storage Condition : Tightly closed, Inert atmosphere at 2 to 8° C

Shipping condition : All Products are stable to be shipped at room temperature, if specific condition required it is mention in the COA



Analytical Information:

Sr. No.	Test	Result
1)	Description	Red Solid
2)	Solubility	Soluble in 0.1N NaOH:Water(2:8)
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	Peak 1- 5.864% + Peak 2-74.753% + Peak 3- 1.546% = 82.16%
5)	¹ HNMR	Confirm to structure
6)	Weight loss by TGA	8.11%
7)	Potency by TGA	75.50%



Prepared and Reviewed By

A handwritten signature in blue ink, appearing to be "Priyanka Salunkhe".

Ms Priyanka Salunkhe
(Quality Control)

Approved By

A handwritten signature in blue ink, appearing to be "Rohini Gagare".

Ms Rohini Gagare
(Quality Assurance)

Note: Product supplied by Chemicea are for R&D purpose only and not for human consumptions.