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CERTIFICATE OF ANALYSIS

Analysis Date: Mar 2025

Re-test Date: Feb 2028

Product Name: Retinyl Palmitate

Identification:

Chemical Name: [(2E,4E,6E,8E)-3,7-Dimethyl-9-(2,6,6-trimethyl-1-cyclohex-1-en-1-yl)nona-2,4,6,8-tetraen-1-yl] hexadecanoate

Synonyms : Vitamin A Palmitate ; All-trans-Retinyl Palmitate ; Retinol Hexadecanoate

CAS Number : 79-81-2

CAT Number : CP-1602502

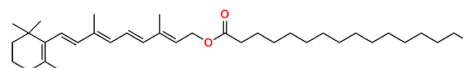
Molecular Formula : C₃₆H₆₀O₂

Molecular Weight : 524.86

Batch Number : CP-RET-PAL-0523

Storage Condition : Tightly closed, Inert atmosphere at -20° C

Shipping condition : At low temperature with dry ice and ice pack gel



Analytical Information:

Sr. No.	Test	Result
1)	Description	Yellow Liquid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	71.32%
5)	¹ H NMR	Confirm to structure
6)	¹³ C NMR	Confirm to structure
7)	IR	Confirm to structure
8)	Weight loss by TGA	0.355%
9)	Potency by TGA	71.07%



Prepared and Reviewed By

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

Ms Priyanka Salunkhe
(Quality Control)

Approved By

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

Ms Rohini Gagare
(Quality Assurance)

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