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### CERTIFICATE OF ANALYSIS

Analysis Date:

Re-test Date:

**Product Name: Menaquinone (In House Standard)**

#### Identification:

Chemical Name: (all-E)-2-(3,7,11,15,19,23,27-Heptamethyl-2,6,10,14,18,22,26-octacosaeptaenyl)-3-methyl-1,4-naphthalenedione (as per USP)

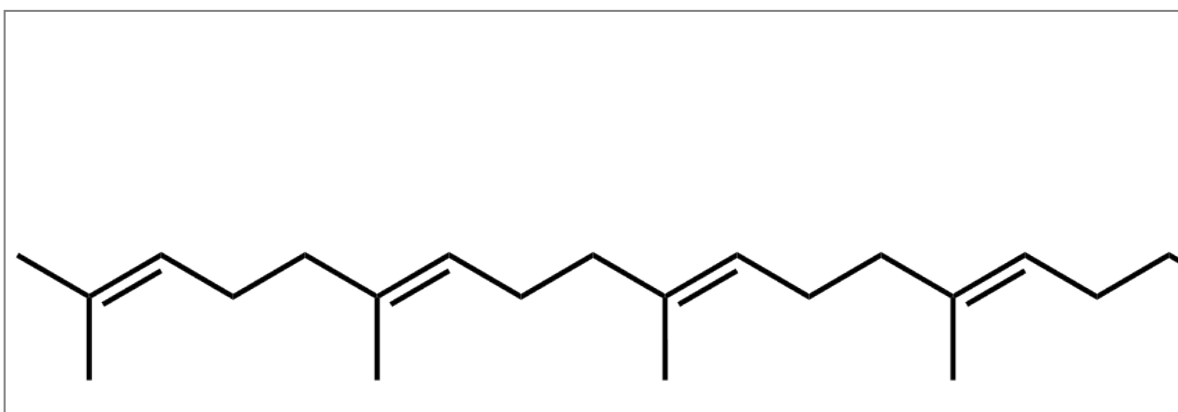
Synonyms : NA

CAS Number : 2124-57-4

CAT Number : CP-M124000

Molecular Formula : C<sub>46</sub>H<sub>64</sub>O<sub>2</sub>

Molecular Weight : 649.02



#### Analytical Information:

Sr. No.	Test	Result
1)	Description	Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	>98%
5)	H1NMR	Confirm to structure



**Prepared and Reviewed By**

Ms Priyanka Salunkhe  
(Manager QC Analytical)

**Approved By**

Ms Rohini Gagare  
(QA Head)

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