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## CERTIFICATE OF ANALYSIS

Analysis Date:

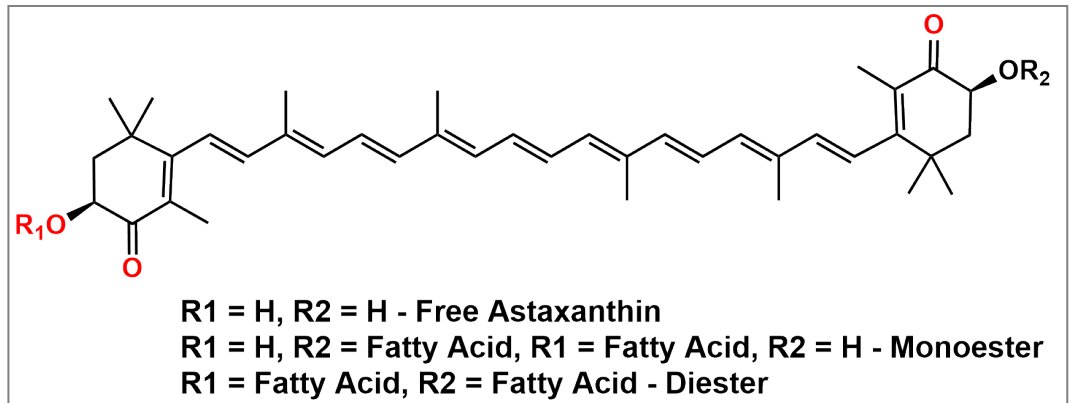
Re-test Date:

**Product Name: Astaxanthin Esters from Haematococcus pluvialis**

**Identification:**

Chemical Name: Fatty acid esters of (3S,3'S)-3,3'-dihydroxy-β,β-carotene-4,4'-dione

Synonyms : NA  
CAS Number : 7542-45-2  
(Free Astaxanthin)  
CAT Number : CP-1044210  
Molecular Formula : C<sub>40</sub>H<sub>52</sub>O<sub>4</sub>  
(Free Astaxanthin)



Molecular Weight : 596.84

**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**

**Approved By**



Ms Priyanka Salunkhe  
(Manager QC Analytical)

Ms Rohini Gagare  
(QA Head)

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