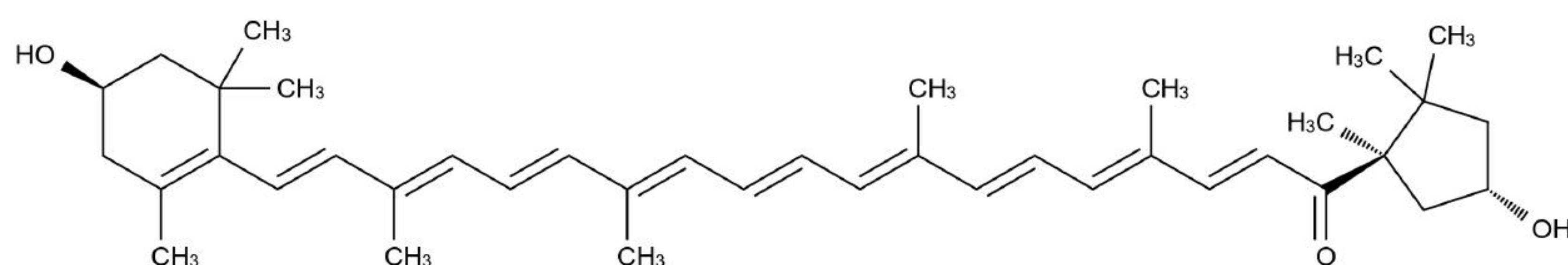


Certificate of Analysis

Reference Material

Product Name:	Capsanthin	Catalogue Number:	CCPD102453
Chemical Name:	N/A	Lot Number:	0906-RE-0026
CAS Number:	465-42-9	Expiry Date:	Sep 30, 2024
Molecular Formula:	C ₄₀ H ₅₆ O ₃	Storage:	-80°C±5°C Protected from light and Sealed
Molecular Weight:	584.87		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Very Dark Red to Very Dark Brown Solid
Identification	LCMS&HNMR	Confirmed
Purity	NMR	94.0%
Uncertainty		±2.0%

Comment:

The uncertainty values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Signature:

Prepared by:

Lisa

Reviewed by:

Hinlam

Aporoved by General manager:

David

Date: Jul 31, 2023

Date: Sep 07, 2023

Date: Sep 07, 2023

