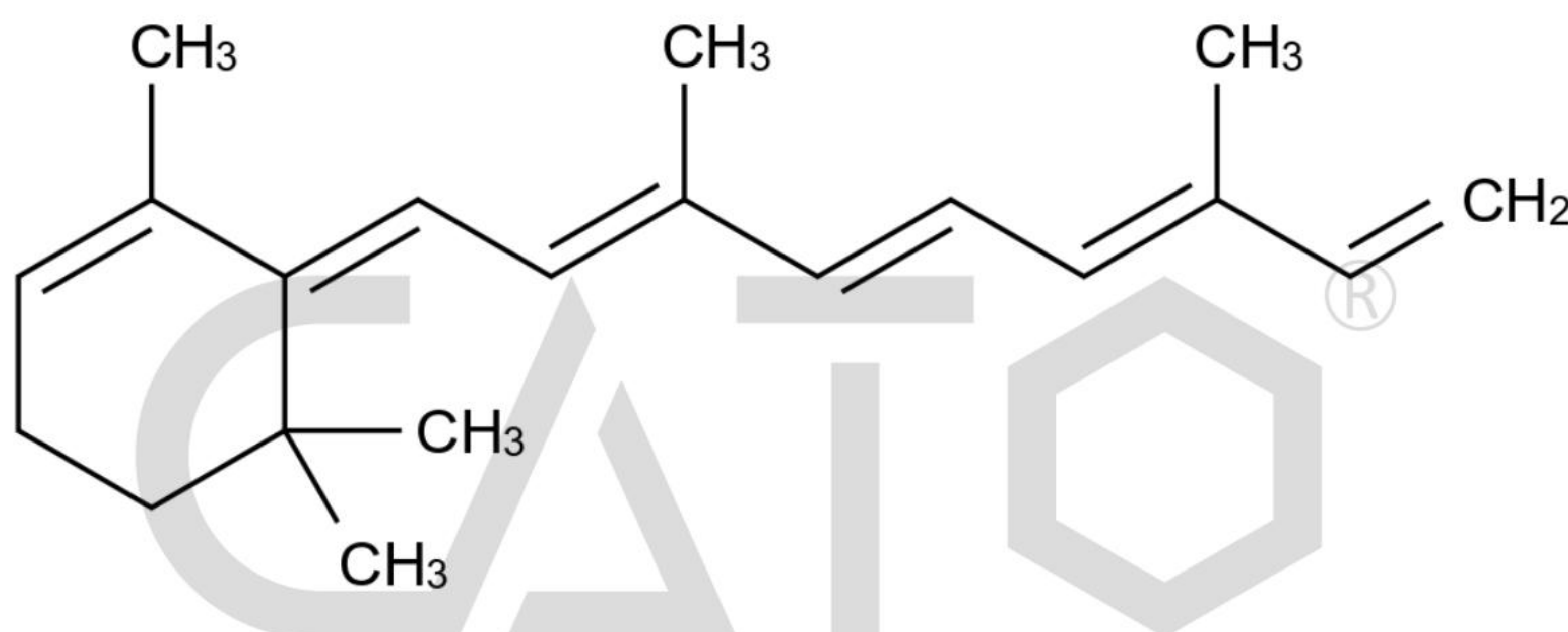


Certificate of Analysis

Reference Material & Standard

Product Name:	Vitamin A Impurity 24	Catalogue Number:	C4X-218724
Synonyms:	N/A	Lot Number:	0311-RH-0060
CAS Number:	1224-78-8	Expiry Date:	Apr 27, 2030
Molecular Formula:	C ₂₀ H ₂₈	Storage:	-80°C±5°C Protected from light and Sealed
Molecular Weight:	268.44	Shipping Condition:	Shipping with Dry Ice

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Yellow Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.394%
Water Content	Karl Fischer	1.3689%
Assay		98.0%

Comment:

The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

Assay (%) = (100% - Water Content) * Purity HPLC (%) / 100%

Water Content is considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Koi

Reviewed by:

Lisa

Approved by General Manager:

David

Date: Apr 28, 2026

Date: Apr 28, 2026

Date: Apr 28, 2026



Add: 3rd Floor, Building B, No.179, Guangpu Rd East, Huangpu District, Guangzhou, China

Tel: +86-20-81960175

Email: supports@cato-chem.com

Web: <https://www.cato-chem.com>

