

# Certificate of Analysis

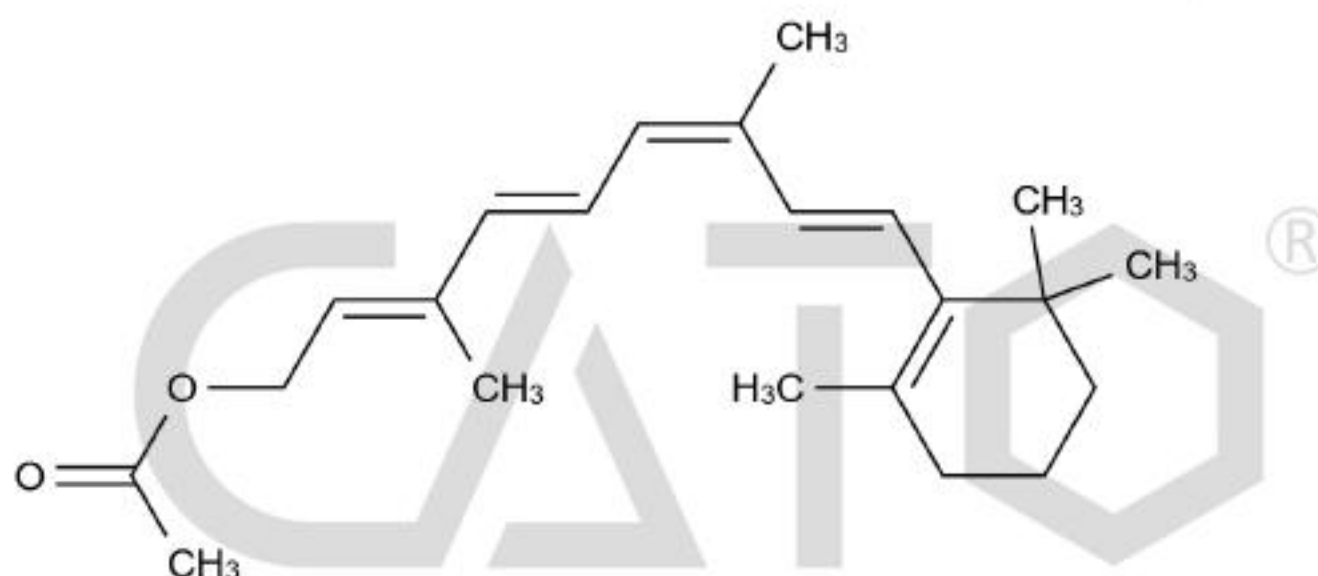
## Reference Material & Standard

|                    |                                                |                   |                                           |
|--------------------|------------------------------------------------|-------------------|-------------------------------------------|
| Product Name:      | 9-cis-Retinol Acetate                          | Catalogue Number: | C1787333                                  |
| Synonyms:          | N/A                                            | Lot Number:       | 0214-SA-7412                              |
| CAS Number:        | 29584-22-3                                     | Expiry Date:      | Feb 13, 28                                |
| Molecular Formula: | C <sub>22</sub> H <sub>32</sub> O <sub>2</sub> | Storage:          | -80°C±5°C Protected from light and Sealed |
| Molecular Weight:  | 328.49                                         |                   |                                           |

Warning:



Chemical Structure:



| Test Items      | Method            | Results                                   |
|-----------------|-------------------|-------------------------------------------|
| Appearance      | Visual inspection | Pale Yellow to Yellow Oil to Sticky Solid |
| Identification: | LC&HNMR           | Confirmed                                 |
| Purity:         | HPLC              | 98.615%                                   |
| 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:

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Approved by General Manager:

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Date: Feb 14, 24

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Date: Feb 14, 24



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## Directions:

- 1. Intended use: This product is suitable for identification and quantification of the analyte(s), instrument calibration, method development and quality control in analytical and R&D applications. It is not intended for administration to humans or animals, and shall not be used to diagnose, treat or cure any diseases.*
- 2. Minimum sample size: 1mg is recommended as the minimum sample size.*
- 3. Metrological traceability: This product meets the requirements of ISO 17034 and is traceable to NMI through an unbroken chain of comparisons.*
- 4. Instructions for handling and correct use: Handling in a well-ventilated place.*

## Document Version:

| Revision No. | Date       | Reason for Revision |
|--------------|------------|---------------------|
| 01           | Feb 14, 24 | First release.      |

