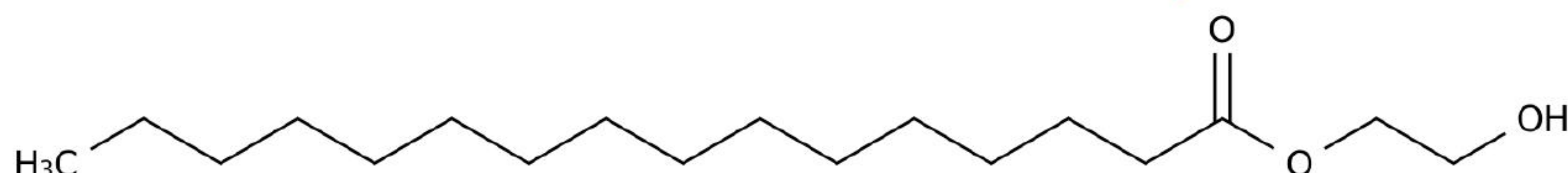


Certificate of Analysis

Reference Material & Standard

Product Name:	2-Hydroxyethyl Palmitate	Catalogue Number:	CCHM704025
Synonyms:	N/A	Lot Number:	0402-RG-0005
CAS Number:	4219-49-2	Expiry Date:	Apr 08, 2029
Molecular Formula:	C18H36O3	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	300.48	Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	GCMS&HNMR	Confirmed
Purity	GC	92.358%
Water Content	Karl Fischer	0.2344%
Assay		92.1%
Uncertainty		±2.0%

Comment:

1. The calculation of the 100% method follows the formula (calculated on the non-dried basis):

$Assay (\%) = (100\% - Water\ Content) * Purity\ GC (\%) / 100\%$

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

2. 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:

Nice

Reviewed by:

Lisa

Approved by General Manager:

David

Date: Apr 09, 2025

Date: Apr 09, 2025

Date: Apr 09, 2025

