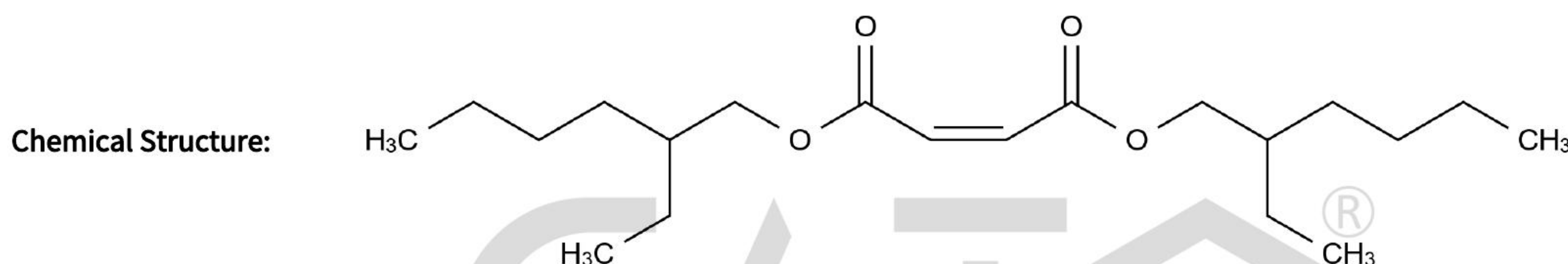


Certificate of Analysis

Reference Material & Standard

Product Name:	Bis(2-ethylhexyl) maleate	Catalogue Number:	CCHM702836
Synonyms:	N/A	Lot Number:	1018-RF-0054
CAS Number:	142-16-5	Expiry Date:	Oct 17, 2028
Molecular Formula:	C ₂₀ H ₃₆ O ₄	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	340.50	Shipping Condition:	Shipping at Room Temperature

Warning:



Test Items	Method	Results
Appearance	Visual inspection	Colourless Liquid
Identification	GCMS&HNMR	Confirmed
Purity	GC	91.471%
Loss on Drying	TGA	0.1587%
Assay		91.3%
Uncertainty		±2.0%

Comment:

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

$$\text{Assay (\%)} = (100\% - \text{Loss on Drying}) * \text{Purity GC (\%)} / 100\%$$

Loss on Drying 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:

Lisa

Reviewed by:

Hinlam

Approved by General Manager:

David

Date: Jan 08, 2025

Date: Jan 08, 2025

Date: Jan 08, 2025



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