

Certificate of Analysis

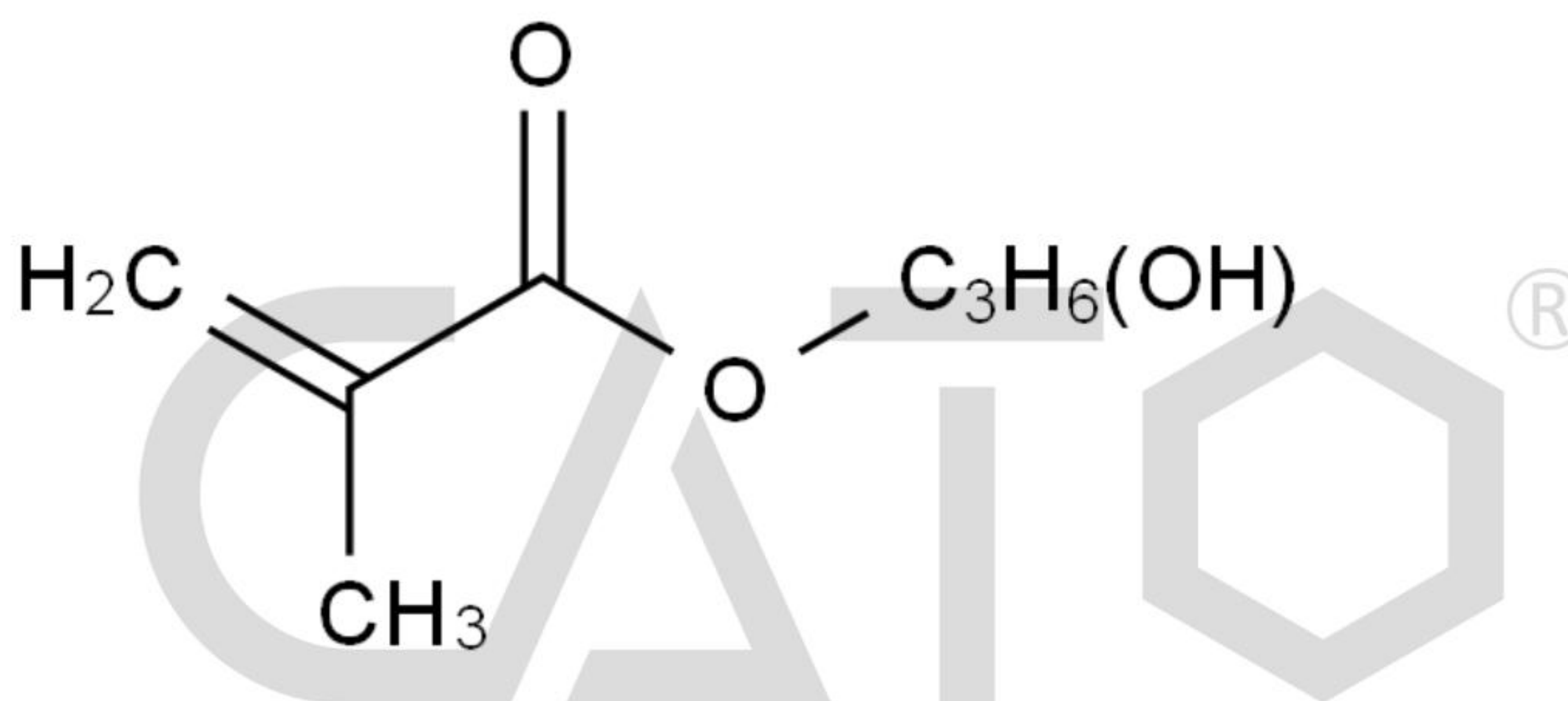
Reference Material & Standard

Product Name:	Hydroxypropyl Methacrylate(Mixture)	Catalogue Number:	CS300667
Synonyms:	N/A	Lot Number:	1115-RD-0080
CAS Number:	27813-02-1	Expiry Date:	Nov 17, 2026
Molecular Formula:	C ₇ H ₁₂ O ₃	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	144.17	Shipping Condition:	Shipping at Room Temperature

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Colourless Liquid
Identification	GCMS&HNMR	Confirmed
Purity	GC	99.692%
Water Content	Karl Fischer	0.1582%
Assay		99.5%
Uncertainty		±2.0%

Comment:

- Mixture of 2-Hydroxypropyl and 2-Hydroxy-1-methylethyl Methacrylate
- The calculation of the mass balance 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.
- 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:

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Reviewed by:

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Approved by General Manager:

David

Date: Nov 18, 2022

Date: Nov 21, 2022

Date: Nov 21, 2022

