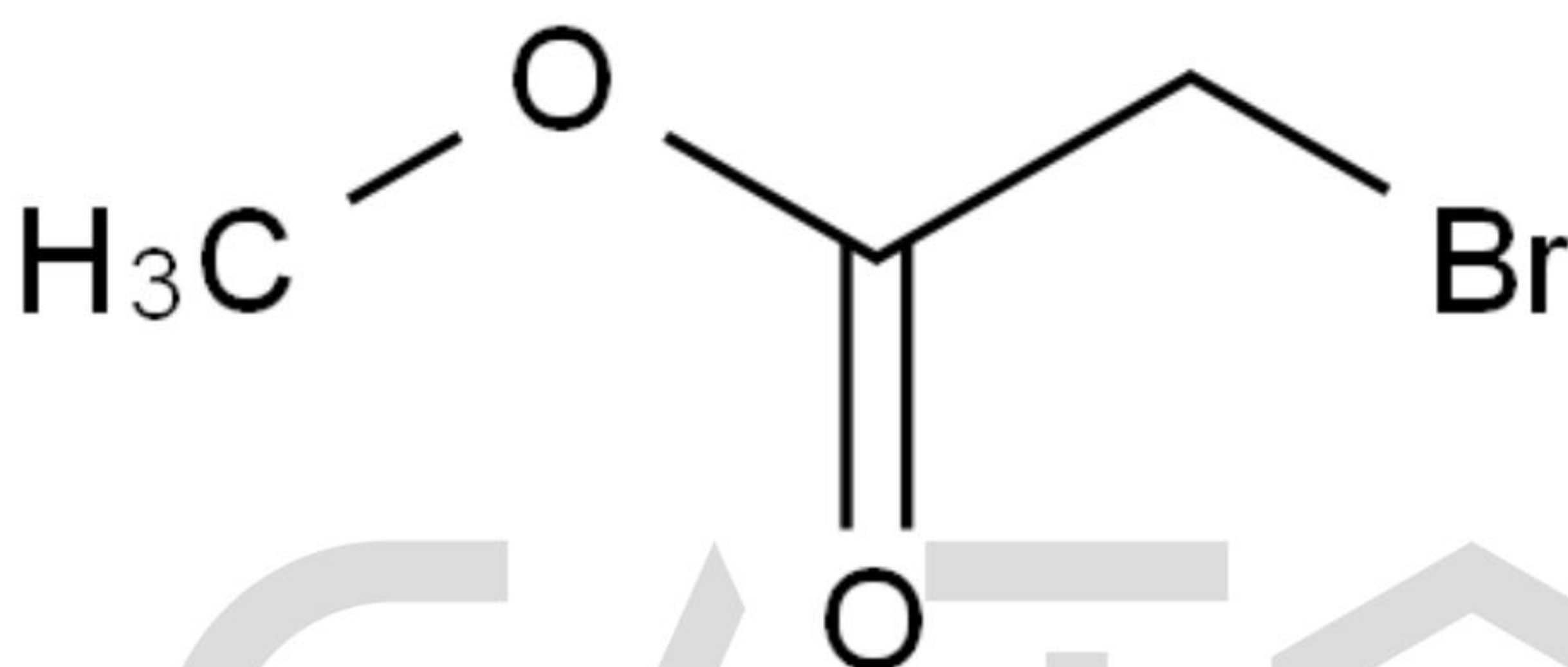


Certificate of Analysis

Reference Material

Product Name:	Methyl Bromoacetate	Catalogue Number:	CCPD101138
Chemical Name:	N/A	Lot Number:	1213-RD-0017
CAS Number:	96-32-2	Expiry Date:	Dec 14, 2026
Molecular Formula:	C3H5BrO2	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	152.97		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Colourless Liquid
Identification	GCMS&HNMR	Confirmed
Purity	HPLC	97.951%
Water Content	Karl Fischer	0.0342%
Assay		97.9%
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 HPLC (%) / 100%

Water Content is considered as absolute effect, HPLC 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:

Debia

Reviewed by:

Xenia

Aporoved by General manager:

David

Date: Dec 15, 2022

Date: Dec 16, 2022

Date: Dec 16, 2022

