Certificate of Analysis

Reference Material & Standard

Product Name:	1,2-Dibromoethylene (cis- and trans- mixture)	**Catalogue Number:**	CCEM500033
Synonyms:	N/A	**Lot Number:**	0809-RF-0065
CAS Number:	540-49-8	**Expiry Date:**	Aug 18, 2028
Molecular Formula:	C2H2Br2	**Storage:**	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	185.85	**Warning:**	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Colourless Liquid
Identification	GCMS&HNMR	Confirmed
Purity	GC	99.901%
Water Content	Karl Fischer	0.1714%
Assay		99.7%
Uncertainty		±2.0%

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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: Alice Date: Aug 19, 2024

Reviewed by: Lisa Date: Aug 20, 2024

Approved by General Manager: David Date: Aug 20, 2024

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