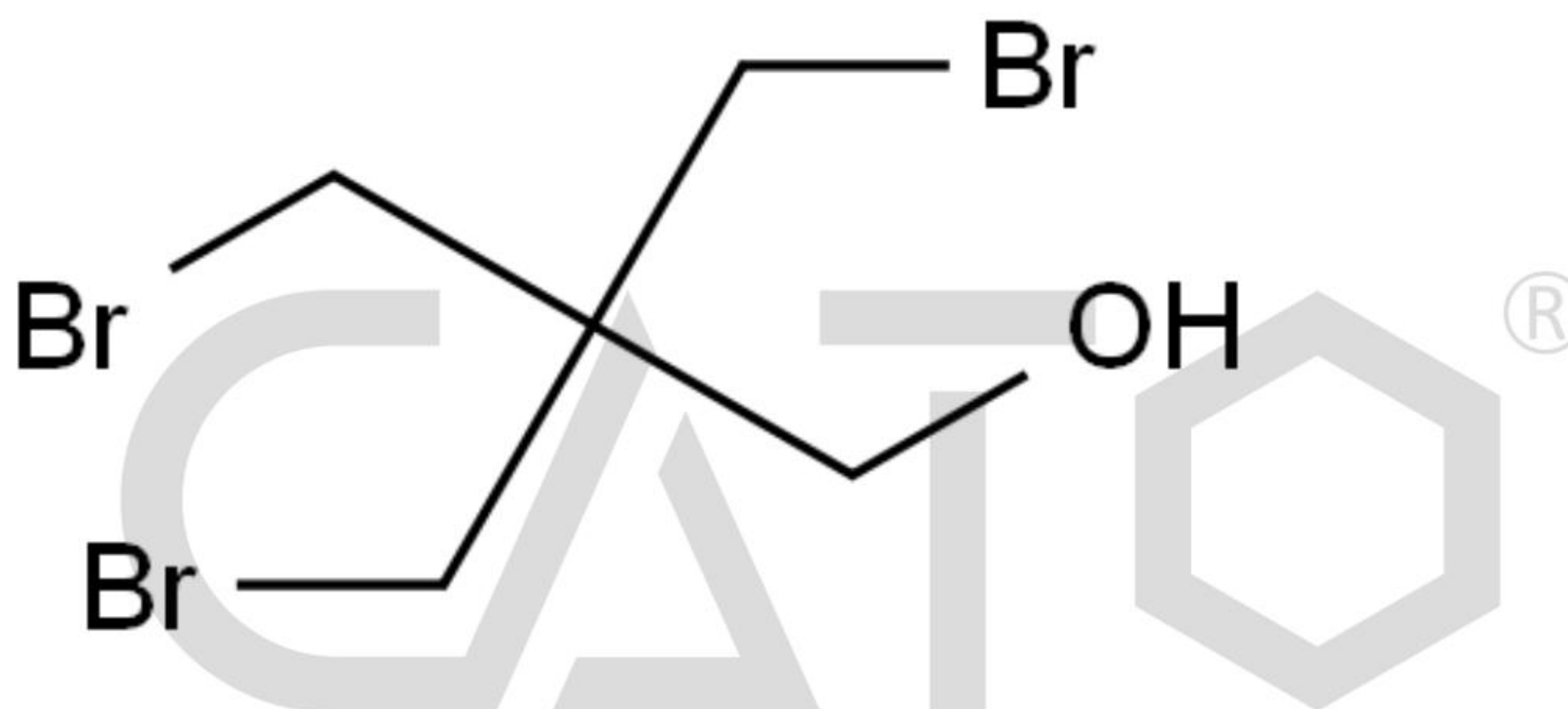


Certificate of Analysis

Reference Material & Standard

Product Name:	Pentaerythritol Tribromide	Catalogue Number:	CCHM703365
Synonyms:	N/A	Lot Number:	0323-RC-0008
CAS Number:	1522-92-5	Expiry Date:	Oct 12, 2029
Molecular Formula:	C ₅ H ₉ Br ₃ O	Storage:	Room Temp Protected from light and Sealed
Molecular Weight:	324.84		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Crystalline Solid
Identification	LCMS&HNMR	Confirmed
Purity	GC	99.313%
Loss On Drying	TGA	0.8259%
Assay		98.5%
Uncertainty		±0.3%

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:

Hin Lam

Approved by General Manager:

David

Date: Oct 13, 2025

Date: Oct 13, 2025

Date: Oct 13, 2025

