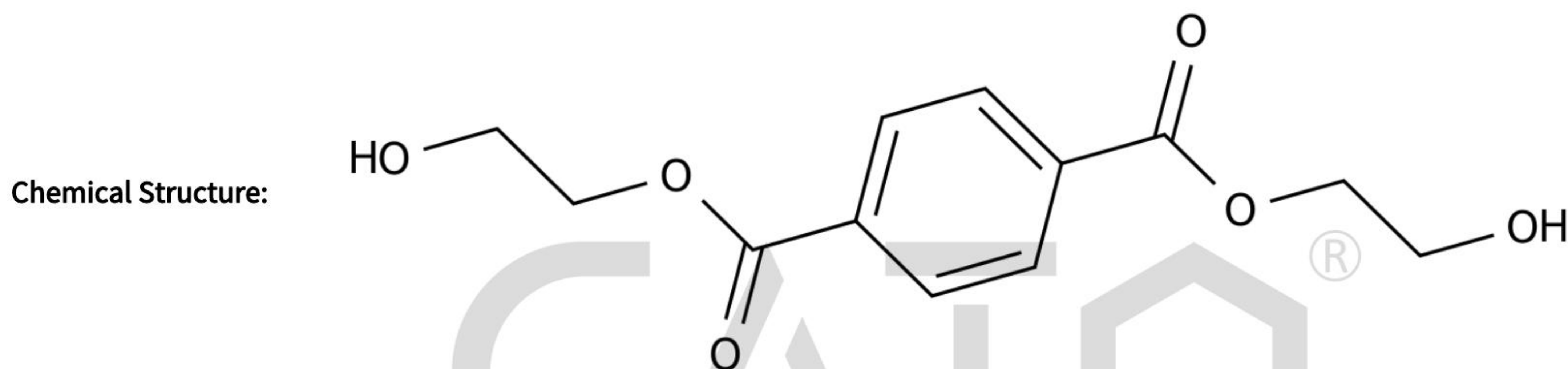


Certificate of Analysis

Reference Material & Standard

Product Name:	Bis(2-hydroxyethyl) Terephthalate	Catalogue Number:	CPAE111738
Synonyms:	N/A	Lot Number:	0715-RD-0044
CAS Number:	959-26-2	Expiry Date:	Oct 30, 2029
Molecular Formula:	C ₁₂ H ₁₄ O ₆	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	254.24	Shipping Condition:	Shipping at Room Temperature



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	GCMS&HNMR	Confirmed
Purity	HPLC	95.397%
Residue on Ignition	TGA	0.0093%
Loss On Drying	TGA	0.0736%
Assay		95.3%
Uncertainty		±0.9%

Comment:

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

$$\text{Assay (\%)} = (100\% - \text{Residue on Ignition} - \text{Loss On Drying}) * \text{Purity HPLC (\%)} / 100\%$$
Residue on Ignition and Loss On Drying are considered as absolute effect, HPLC 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:

Lisa

Reviewed by:

Hinlam

Approved by General Manager:

David

Date: Oct 31, 2025

Date: Oct 31, 2025

Date: Oct 31, 2025

