

Certificate of Analysis

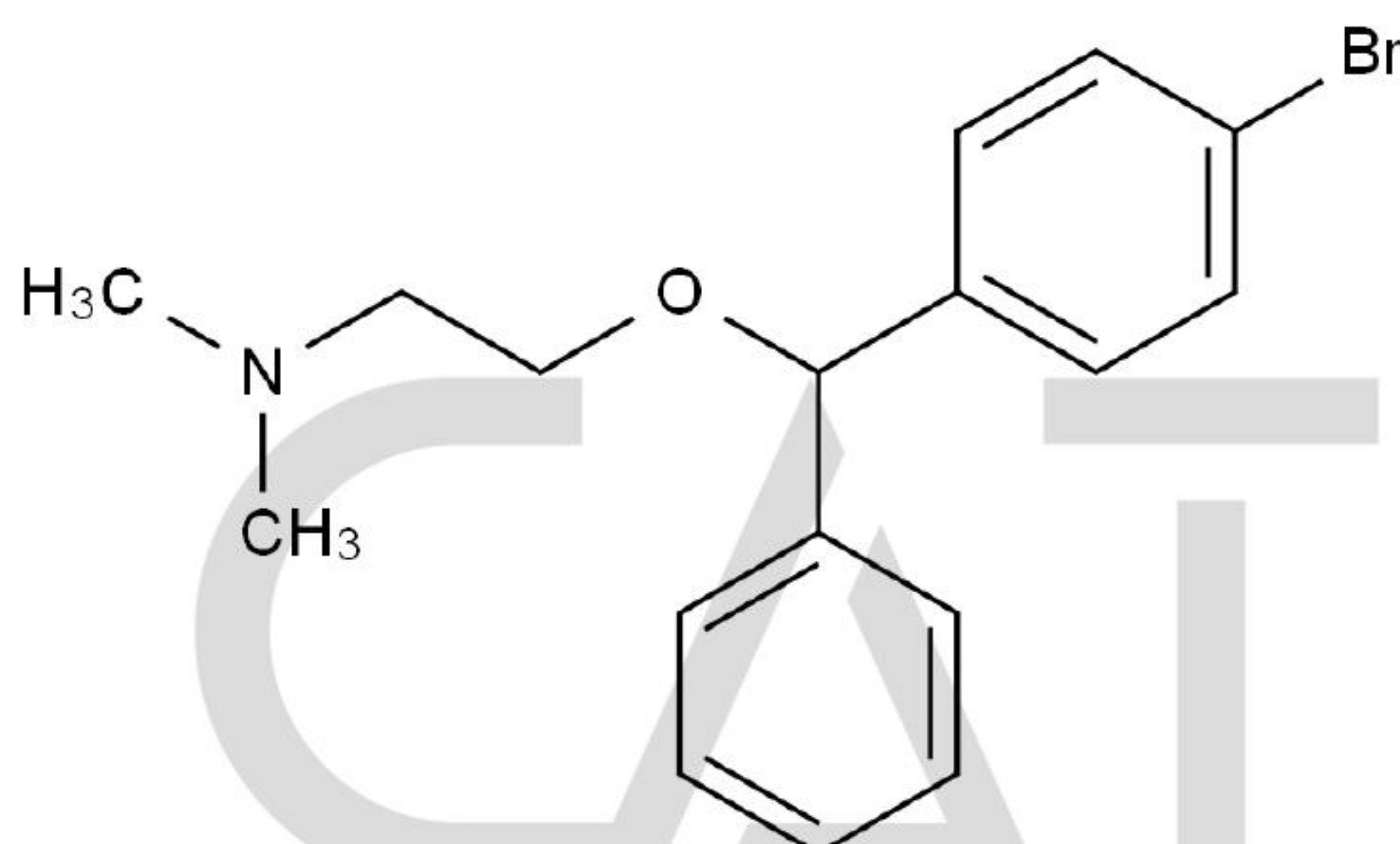
Reference Material & Standard

Product Name:	Diphenhydramine EP Impurity C	Catalogue Number:	CP105731
Synonyms:	N/A	Lot Number:	0427-RH-0132
CAS Number:	118-23-0	Expiry Date:	Feb 09, 2029
Molecular Formula:	C ₁₇ H ₂₀ Br	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	334.25	Shipping Condition:	Shipping at Room Temperature

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Brown Oil
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	97.2503%
Loss on Drying	TGA	0.488%
Assay		96.8%

Comment:

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

Assay (%) = (100% - Loss on Drying) * Purity HPLC (%) / 100%

Loss on Drying is considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Reviewed by:

Approved by General Manager:

Date: Apr 28, 2026

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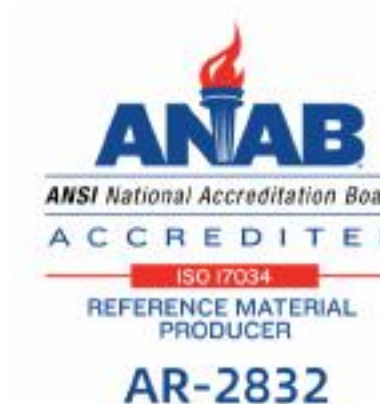
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