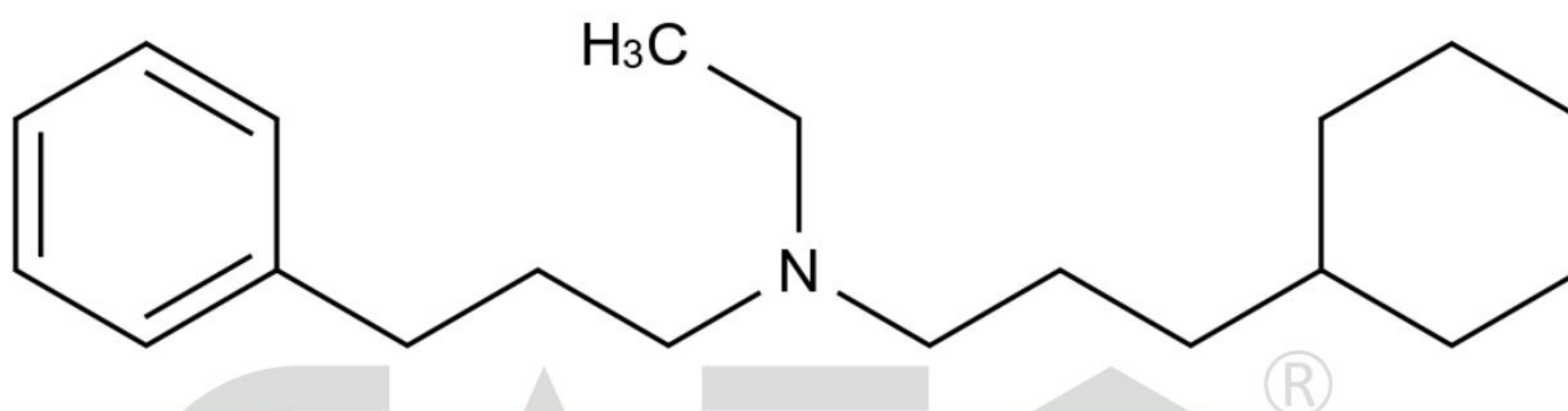


Certificate of Analysis

Reference Material & Standard

Product Name:	Alverine EP Impurity D	Catalogue Number:	C4X-153916
Synonyms:	N/A	Lot Number:	0620-RG-0079
CAS Number:	2732347-30-5	Expiry Date:	Jun 23, 2028
Molecular Formula:	C20H33N	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	287.48		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Colourless Liquid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	97.875%
Loss On Drying	TGA	1.2554%
Assay		96.6%

Comment:

The calculation of the 100% 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:

Nice

Reviewed by:

Koi

Approved by General Manager:

David

Date: Jun 24, 2025

Date: Jun 24, 2025

Date: Jun 24, 2025

