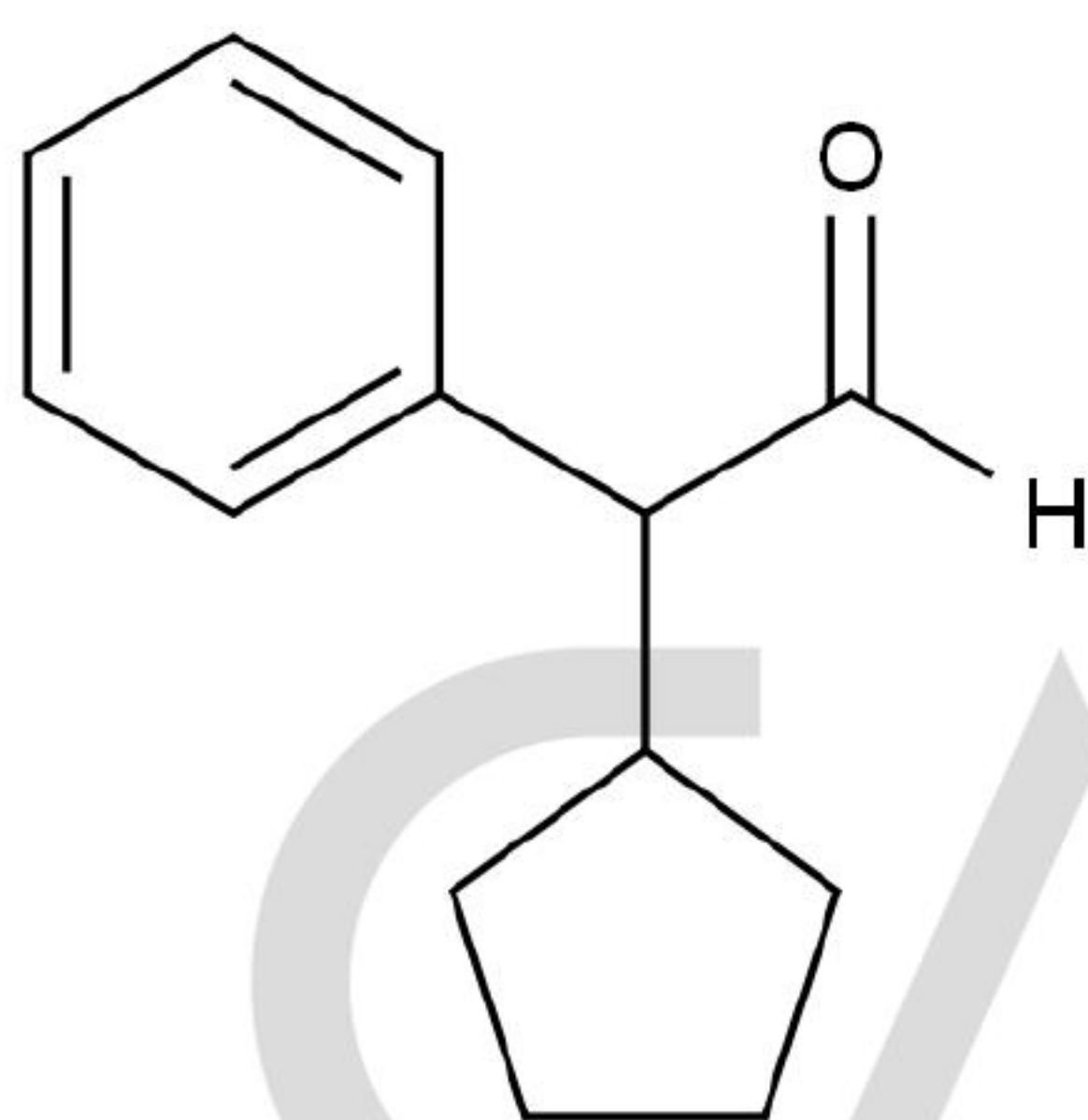


Certificate of Analysis

Reference Material & Standard

Product Name:	Penehyclidine Impurity 1	Catalogue Number:	C4X-13041
Synonyms:	N/A	Lot Number:	0321-RG-0002
CAS Number:	151673-92-6	Expiry Date:	Mar 25, 2028
Molecular Formula:	C ₁₃ H ₁₆ O	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	188.27		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Colourless Liquid
Identification	GCMS&HNMR	Confirmed
Purity	GC	100.000%
Residue on Ignition	TGA	0.1481%
Loss On Drying	TGA	0.9604%
Assay		98.9%

Comment:

The calculation of the 100% method follows the formula (calculated on the non-dried basis):

$\text{Assay (\%)} = (100\% - \text{Residue on Ignition} - \text{Loss On Drying}) * \text{Purity GC (\%)} / 100\%$

Residue on Ignition and Loss On Drying are considered as absolute effect, GC purity is considered as relative effect.

Signature:

Prepared by:

Nice

Reviewed by:

Koi

Approved by General Manager:

David

Date: Mar 26, 2025

Date: Mar 26, 2025

Date: Mar 26, 2025

