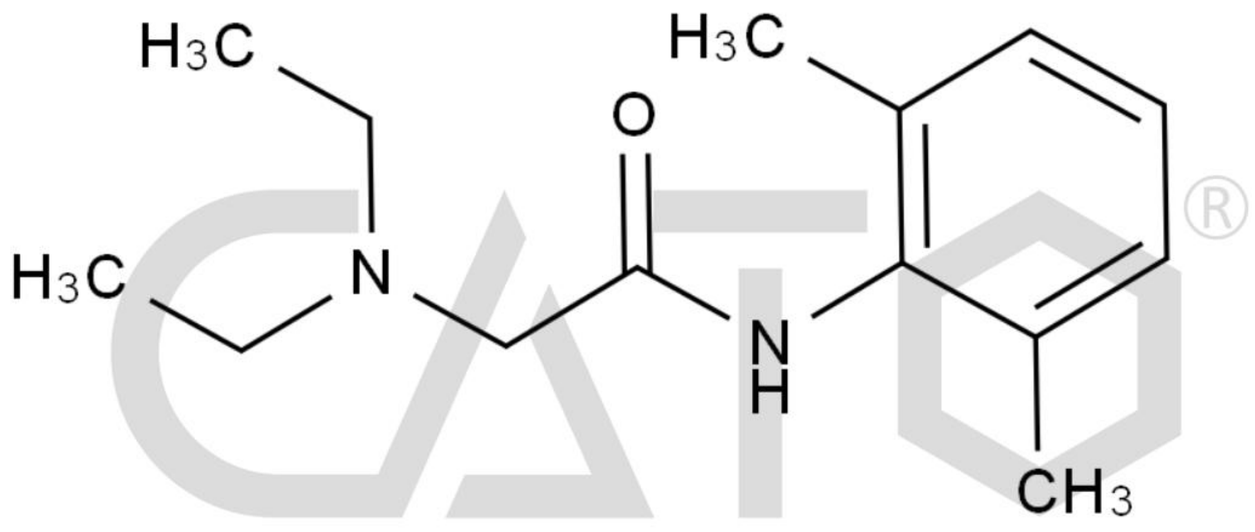
Certificate of Analysis

Reference Material & Standard

Product Name:	Lignocaine Base	**Catalogue Number:**	CCAD300282
Synonyms:	N/A	**Lot Number:**	1021-RH-0037
CAS Number:	137-58-6	**Expiry Date:**	Oct 20, 2030
Molecular Formula:	$C_{14}H_{22}N_2O$	**Storage:**	Room Temp Protected from light and Sealed
Molecular Weight:	234.34	**Shipping Condition:**	Shipping at Room Temperature
		Warning:	

Chemical Structure:



CATO Research Chemicals Inc.

Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&IR&UV&CNMR&HNMR	Confirmed
Purity	HPLC	100.000%
Loss on Drying	TGA	0.1709%
Assay	qNMR	99.2%
Assay (Assigned Value)	Mass Balance	99.8%
Uncertainty		±0.2%

Comment:

1. 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.
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 — Date: Oct 21, 2026

Reviewed by: Hinlam — Date: Oct 21, 2026

Approved by General Manager: David — Date: Oct 21, 2026

CATO Research Chemicals Inc.