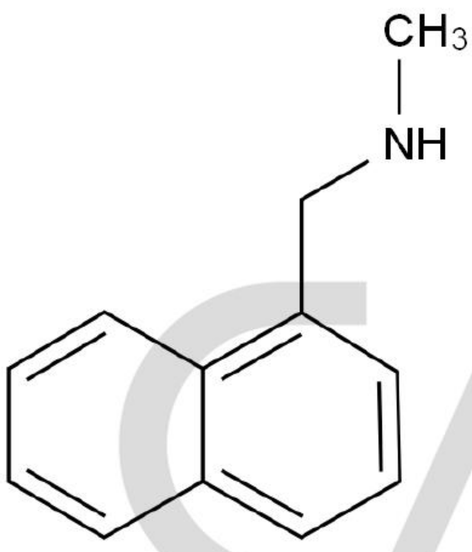
Certificate of Analysis

Reference Material & Standard

Product Name:	Terbinafine EP Impurity A	**Catalogue Number:**	C4X-133816
Synonyms:	N/A	**Lot Number:**	0408-RH-0050
CAS Number:	14489-75-9	**Expiry Date:**	Apr 07, 2030
Molecular Formula:	$C_{12}H_{13}N$	**Storage:**	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	171.24	**Shipping Condition:**	Shipping at Room Temperature

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Light Orange Liquid
Identification	LCMS&IR&CNMR&HNMR	Confirmed
Purity	HPLC	96.445%
Loss on Drying	TGA	3.8172%
Assay	Mass Balance	92.8%

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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: Koi Date: Nov 10, 2026

Reviewed by: Lisa Date: Nov 11, 2026

Approved by General Manager: David Date: Nov 11, 2026

CATO Research Chemicals Inc.