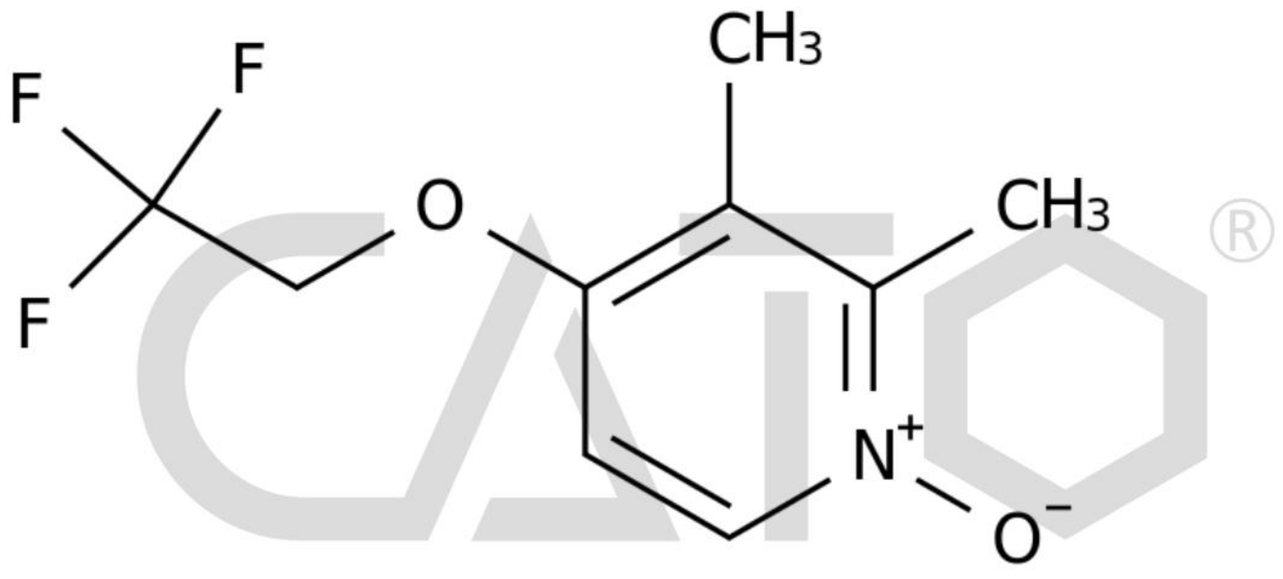
Certificate of Analysis

Reference Material & Standard

Product Name:	Lansoprazole Impurity 45	**Catalogue Number:**	C4X-111345
Synonyms:	2,3-Dimethyl-4-(2,2,2-Trifluoroethpxy) Pyridine-N-Oxide	**Lot Number:**	1108-RH-0098
CAS Number:	103577-61-3	**Expiry Date:**	Nov 09, 2030
Molecular Formula:	$C_9H_{10}F_3NO_2$	**Storage:**	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	221.18	**Shipping Condition:**	Shipping at Room Temperature
Solubility:	Acetonitrile	**Warning:**	

Chemical Structure:



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Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.776%
Loss on Drying	TGA	0.2046%
Assay	Mass Balance	99.6%

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: Alice — Date: Nov 10, 2026

Reviewed by: Koi — Date: Nov 10, 2026

Approved by General Manager: David — Date: Nov 10, 2026

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ANAB ANSI National Accreditation Board ACCREDITED ISO 17034 REFERENCE MATERIAL PRODUCER AR-2832

ISO 9001:2000 SYSTEM CERTIFICATION SGS

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