CERTIFICATE OF ANALYSIS

(Certificate No. KMP005001-01)

Release Date: 28/09/2026 **Re-test Date:** 27/09/2029

N-Nitroso Desmethyl Promethazine

Identification

Chemical Name :
N-(1-(10H-phenothiazin-10-yl)propan-2-yl)-N-methylnitrous amide (Mixture of E/Z Isomer)

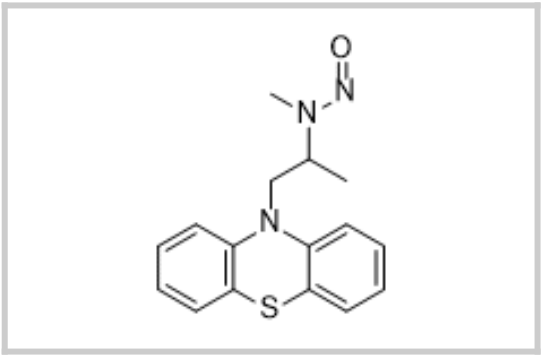
Alt. Name : N-Nitroso Promethazine EP Impurity C

CAT No. : KMP005001

CAS No. : 94511-44-1

Molecular Formula : C16H17N3OS

Molecular Weight : 299.39



Analytical Information

Batch No.	: PRO-EPC-NO-073-117	**Solubility**	: Acetonitrile
Description	: Light Brown Solid	**Mass**	: Confirm
HPLC Purity	: 96.27 %	**IR**	: Confirm
Weight Loss By TGA	: 0.07 %	**1H NMR**	: Confirm
% Potency	: 96.2 %	**13C NMR**	: Confirm

Additional Information

Long Term Storage : Store at 2-8 deg. C for long term storage

Shipping Condition : Product is stable to be shipped at room temperature

% Potency = [100 - 0.07(Weight Loss By TGA)] x [96.27(HPLC Purity)]/100 = 96.2 %
-Mixture of Isomers
-Re-tested on 28.09.2026

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		28/09/2026
Reviewed & Approved By	Quality Control	Jatin Patel		28/09/2026

Attachments : COA, HPLC, MASS, 1HNMR, 13CNMR, IR and TGA