CERTIFICATE OF ANALYSIS

(Certificate No. KMC003006-01)

Release Date: 02/04/2024 **Re-test Date:** 01/04/2027

1-Acetyl-2-Imidazolidinone Nitroso Impurity

Identification

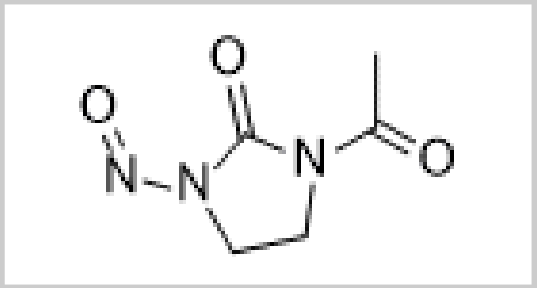
Chemical Name :
1-acetyl-3-nitrosoimidazolidin-2-one

CAT No. : KMC003006

CAS No. : Not Available

Molecular Formula : C5H7N3O3

Molecular Weight : 157.13



Analytical Information

Batch No.	: CLO-NO-073-107	**Solubility**	: ACN
Description	: Light Yellow Hygroscopic Solid	**Mass**	: Confirm
HPLC Purity	: 99.66 %	**IR**	: Confirm
Weight Loss By TGA	: 0.20 %	**1H NMR**	: Confirm
% Potency	: 99.46 %	**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 - 0.20(Weight Loss By TGA)] x [99.66(HPLC Purity)]/100 = 99.46 %

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		18/04/2024
Reviewed & Approved By	Quality Control	Jatin Patel		18/04/2024

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