CERTIFICATE OF ANALYSIS

(Certificate No. KMT122004-01)

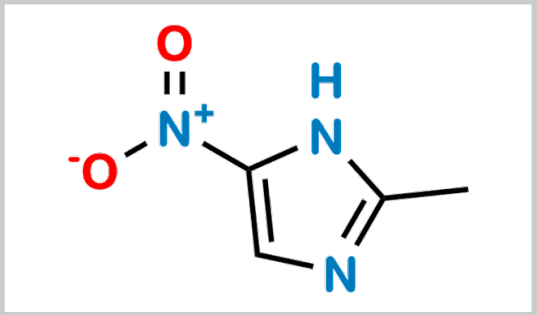
Release Date: 20/08/2025 **Re-test Date:** 19/08/2028

TINIDAZOLE RELATED COMPUND A

Identification

Chemical Name :
2-Methyl-5-nitro-1H-imidazole

Alt. Name	: Tinidazole USP Related Compound A
CAT No.	: KMT122004
CAS No.	: 696-23-1
Molecular Formula	: C4H5N3O2
Molecular Weight	: 127.1



Analytical Information

Batch No.	: T122004-102-220	**Solubility**	: ACN : Water (1:1)
Description	: Off White Solid	**Mass**	: Confirm
HPLC Purity	: 99.93 %	**IR**	: Confirm
Weight Loss By TGA	: 0.19 %	**1H NMR**	: Confirm
% Potency	: 99.74 %		

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 - 0.19(Weight Loss By TGA)] x [99.93(HPLC Purity)]/100 = 99.74 %

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		25/08/2025
Reviewed & Approved By	Quality Control	Jatin Patel		25/08/2025

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