

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

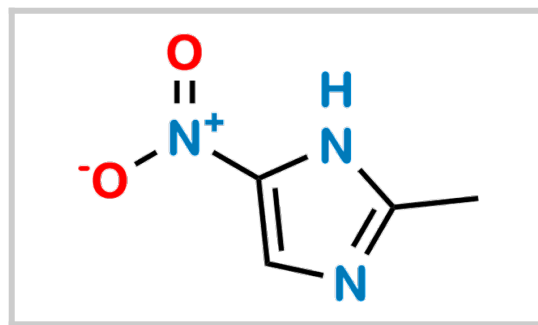
Alt. Name : Tinidazole USP Related Compound A

CAT No. : KMT122004

CAS No. : 696-23-1

Molecular Formula : C₄H₅N₃O₂

Molecular Weight : 127.1



Analytical Information

Batch No. : T122004-102-220

Description : Off White Solid

HPLC Purity : 99.93 %

Weight Loss By TGA : 0.19 %

% Potency : 99.74 %

Solubility : ACN : Water (1:1)

Mass : Confirm

IR : Confirm

¹H 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 - 0.19(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