

CERTIFICATE OF ANALYSIS

(Certificate No. KMM122004-01)

Release Date: 24/09/2024

Re-test Date: 23/09/2027

Metronidazole In House Working Standards

Identification

Chemical Name :

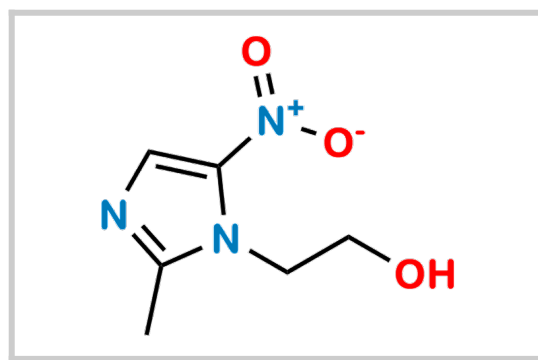
2-(2-Methyl-5-nitro-1H-imidazol-1-yl)ethan-1-ol

CAT No. : KMM122004

CAS No. : 443-48-1

Molecular Formula : C₆H₉N₃O₃

Molecular Weight : 171.2



Analytical Information

Batch No. : M122004

Description : Off white solid

HPLC Purity : NLT 98.1 %

Weight Loss By TGA : NLT 0.1 %

% Potency : 98 %

Solubility : Acetonitrile

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 = $[100 - 0.1(\text{Weight Loss By TGA})] \times [98.1(\text{HPLC Purity})]/100 = 98 \%$

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		24/09/2024
Reviewed & Approved By	Quality Control	Jatin Patel		24/09/2024

Attachments : COA, HPLC, MASS, ¹H NMR, IR and TGA