

CERTIFICATE OF ANALYSIS

(Certificate No. KMM122004-02)

Release Date: 14/03/2026

Re-test Date: 13/03/2029

Metronidazole Standard

Identification

Chemical Name :

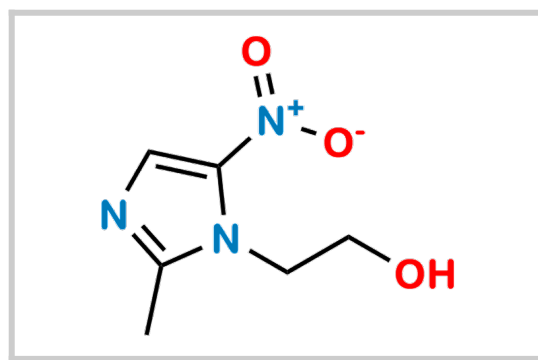
2-(2-Methyl-5-nitro-1H-imidazol-1-yl)ethan-1-ol

CAT No. : KMM122004

CAS No. : 443-48-1

Molecular Formula : C₆H₉N₃O₃

Molecular Weight : 171.2



Analytical Information

Batch No. : M122004-114-208

Description : Off White Solid

HPLC Purity : 99.92 %

Weight Loss By TGA : 0.09 %

% Potency : 99.83 %

Solubility : ACN

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 - 0.09(Weight Loss By TGA)] x [99.92(HPLC Purity)]/100 = 99.83 %

Recommendation : Released

| | Department | Name | Signature | Date |
|------------------------|-----------------|---------------|-----------|------------|
| Prepared By | Analytical | Jignesh Patel | | 14/03/2026 |
| Reviewed & Approved By | Quality Control | Jatin Patel | | 14/03/2026 |

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