CERTIFICATE OF ANALYSIS

(Certificate No. KMM122004-02)

Release Date: 14/03/2026 **Re-test Date:** 13/03/2029

Metronidazole Standard

Identification

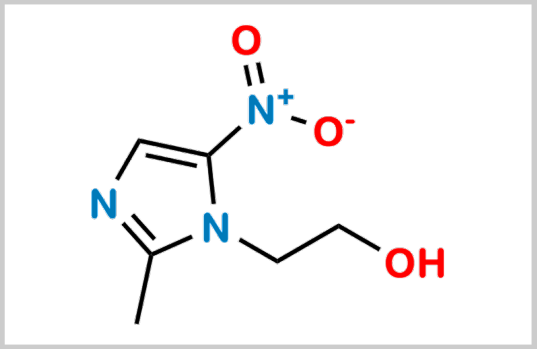
Chemical Name :
2-(2-Methyl-5-nitro-1H-imidazol-1-yl)ethan-1-ol

CAT No. : KMM122004

CAS No. : 443-48-1

Molecular Formula : C6H9N3O3

Molecular Weight : 171.2



Analytical Information

Batch No.	: M122004-114-208	**Solubility**	: ACN
Description	: Off White Solid	**Mass**	: Confirm
HPLC Purity	: 99.92 %	**IR**	: Confirm
Weight Loss By TGA	: 0.09 %	**1H NMR**	: Confirm
% Potency	: 99.83 %		

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, 1HNMR, IR and TGA