

CERTIFICATE OF ANALYSIS

(Certificate No. KMM019001-01)

Release Date: 02/04/2024

Re-test Date: 01/04/2027

Mebendazole EP Impurity D

Identification

Chemical Name :

methyl (5-benzoyl-1-methyl-1H-benzo[d]imidazol-2-yl)carbamate

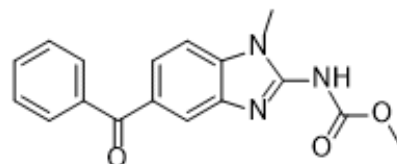
Alt. Name : Mebendazole USP Related Compound
D ; 1-Methyl Mebendazole

CAT No. : KMM019001

CAS No. : 132119-11-0

Molecular Formula : C₁₇H₁₅N₃O₃

Molecular Weight : 309.32



Analytical Information

Batch No. : MEB-RCD-073-090

Solubility : DMF

Description : White Solid

Mass : Confirm

HPLC Purity : 99.68 %

IR : Confirm

Weight Loss By TGA : 0.46 %

¹H NMR : Confirm

% Potency : 99.22 %

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 - 0.46(Weight Loss By TGA)] x [99.68(HPLC Purity)]/100 = 99.22 %

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		09/04/2024
Reviewed & Approved By	Quality Control	Jatin Patel		09/04/2024

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