

# 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

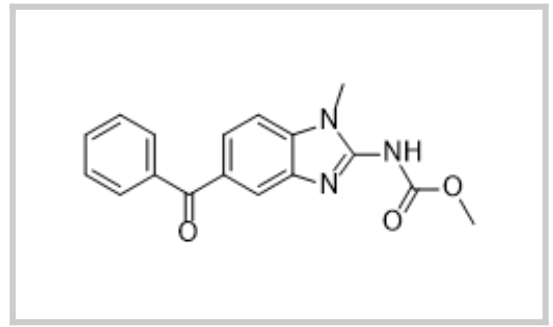
**Alt. Name** : Mebendazole USP Related Compound  
D ; 1-Methyl Mebendazole

**CAT No.** : KMM019001

**CAS No.** : 132119-11-0

**Molecular Formula** : C<sub>17</sub>H<sub>15</sub>N<sub>3</sub>O<sub>3</sub>

**Molecular Weight** : 309.32



### Analytical Information

**Batch No.** : MEB-RCD-073-090

**Description** : White Solid

**HPLC Purity** : 99.68 %

**Weight Loss By TGA** : 0.46 %

**% Potency** : 99.22 %

**Solubility** : DMF

**Mass** : Confirm

**IR** : Confirm

**<sup>1</sup>H 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 - 0.46(Weight Loss By TGA)] x [99.68(HPLC Purity)]/100 = 99.22 %

**Recommendation** : Released

	Department	Name	Signature	Date
<b>Prepared By</b>	Analytical	Jignesh Patel		09/04/2024
<b>Reviewed &amp; Approved By</b>	Quality Control	Jatin Patel		09/04/2024

**Attachments** : COA, HPLC, MASS, <sup>1</sup>H NMR, IR and TGA