

# **CERTIFICATE OF ANALYSIS**

(Certificate No. KMC016012-01)

**Release Date:** 25/06/2025

**Re-test Date:** 24/06/2028

## **Clotrimazole Impurity - D**

### **Identification**

**Chemical Name :**

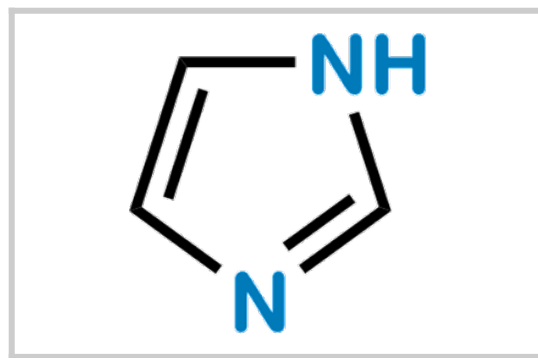
Imidazole

**CAT No.** : KMC016012

**CAS No.** : 288-32-4

**Molecular Formula** : C<sub>3</sub>H<sub>4</sub>N<sub>2</sub>

**Molecular Weight** : 68.0



### **Analytical Information**

**Batch No.** : C016012-102-077

**Description** : White Solid

**HPLC Purity** : 99.99 %

**Weight Loss By TGA** : 0.41 %

**% Potency** : 99.58 %

**Solubility** : ACN : Water (8:2)

**Mass** : Confirm

**IR** : Confirm

**<sup>1</sup>H NMR** : Confirm

**<sup>13</sup>C 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 - 0.41(Weight Loss By TGA)] x [99.99(HPLC Purity)]/100 = 99.58 %

**Recommendation** : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Payal Kapuriya		26/06/2025
Reviewed & Approved By	Quality Control	Viraj Akabri		26/06/2025

**Attachments** : COA, HPLC, MASS, <sup>1</sup>HNMR, <sup>13</sup>CNMR, IR and TGA