# **CERTIFICATE OF ANALYSIS**

(Certificate No. KMC016009-01)

Re-test Date: 24/06/2028

Release Date: 25/06/2025

# Clotrimazole Impurity - A

#### **Identification**

#### Chemical Name :

(2-Chlorophenyl)diphenylmethanol

| Alt. Name         | : Clotrimazole USP Related Compound<br>A | CI |
|-------------------|--|----|
| CAT No.           | : KMC016009                              | НО |
| CAS No.           | : 66774-02-5                             |    |
| Molecular Formula | : C19H15ClO                              |    |
| Molecular Weight  | : 294.8                                  |    |

### **Analytical Information**

| Batch No.          | : C016009-102-075 | Solubility | : Acetonitrile    |
|--------------------|-------------------|------------|-------------------|
| Description        | : White Solid     | Mass       | : Confirm as a M- |
| HPLC Purity        | : 99.83 %         |            | ОН                |
| Weight Loss By TGA | : 0.03 %          | IR         | : Confirm         |
| % Potency          | : 99.8 %          | 1H NMR     | : Confirm         |
| % Folency          | : 53.0 /0         | 13C 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     |  |  |
| % <b>Potency =</b> [100 - 0.03 | (Weight Loss By TGA)] x [99.83(HPLC Purity)]/100 = 99.8 % |  |  |

**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, 1HNMR, 13CNMR, IR and TGA