# CERTIFICATE OF ANALYSIS

(Certificate No. KMC016004-01)

**Release Date:** 01/06/2024 **Re-test Date:** 31/05/2027

## Trityl Chloride

## Identification

**Chemical Name** :
(chloromethanetriyl)tribenzene

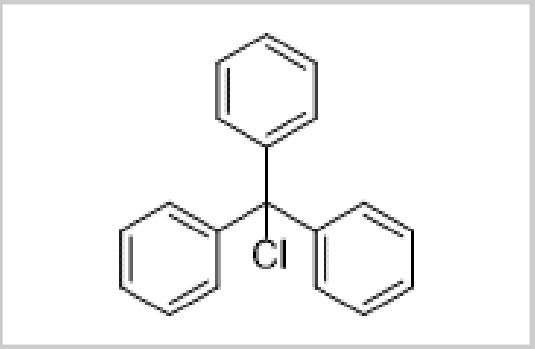
**Alt. Name** : Triphenylmethyl Chloride

**CAT No.** : KMC016004

**CAS No.** : 76-83-5

**Molecular Formula** : C19H15Cl

**Molecular Weight** : 278.78




## Analytical Information

| | | | |
|---|---|---|---|
| **Batch No.** | : TRI-CL-073-239 | **Solubility** | : Methanol |
| **Description** | : Off White Solid | **Mass** | : Confirm |
| **HPLC Purity** | : 96.60 % | **IR** | : Confirm |
| **Weight Loss By TGA** | : 2.17 % | **1H NMR** | : Confirm |
| **% Potency** | : 94.5 % | **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

**% Potency =** [100 - 2.17(Weight Loss By TGA)] x [96.60(HPLC Purity)]/100 = 94.5 %

**Recommendation** : Released

| | Department | Name | Signature | Date |
|---|---|---|---|---|
| **Prepared By** | Analytical | Jignesh Patel | | 01/06/2024 |
| **Reviewed & Approved By** | Quality Control | Parag Patel | | 01/06/2024 |

**Attachments** : COA, HPLC, MASS, 1HNMR, 13CNMR, IR