# CERTIFICATE OF ANALYSIS

(Certificate No. KMG008001-05)

**Release Date:** 19/10/2026 **Re-test Date:** 18/10/2029

## Guaifenesin

## Identification

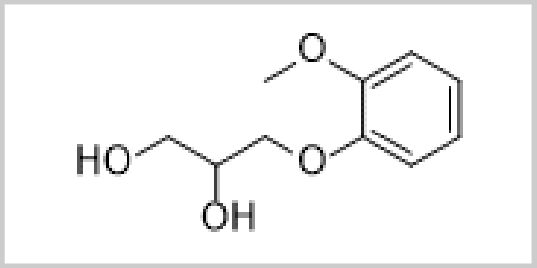
**Chemical Name** :
3-(2-methoxyphenoxy)propane-1,2-diol

**CAT No.** : KMG008001

**CAS No.** : 93-14-1

**Molecular Formula** : C10H14O4

**Molecular Weight** : 198.22




## Analytical Information

| | | | |
|---|---|---|---|
| **Batch No.** | : G008001-136-278 | **Solubility** | : Acetonitrile |
| **Description** | : White Soild | **Mass** | : Confirm |
| **HPLC Purity** | : 99.07 % | **IR** | : Confirm |
| **Weight Loss By TGA** | : 0.05 % | **1H NMR** | : Confirm |
| **% Potency** | : 99.02 % | **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 - 0.05(Weight Loss By TGA)] x [99.07(HPLC Purity)]/100 = 99.02 %

**Recommendation** : Released

| | Department | Name | Signature | Date |
|---|---|---|---|---|
| **Prepared By** | Analytical | Jignesh Patel | | 19/10/2026 |
| **Reviewed & Approved By** | Quality Control | Jatin Patel | | 19/10/2026 |

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