

# CERTIFICATE OF ANALYSIS

(Certificate No. KMG008006-01)

Release Date: 12/05/2025

Re-test Date: 11/05/2028

## Guaifenesin EP Impurity B

### Identification

**Chemical Name :**

2-(2-methoxyphenoxy)propane-1,3-diol (as per EP)

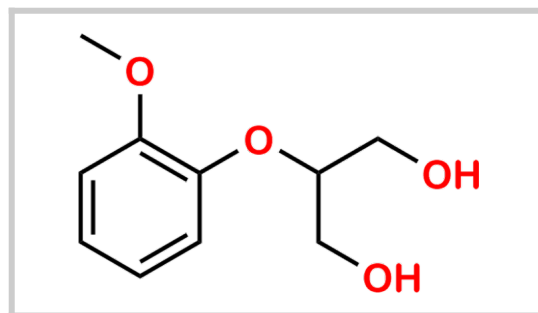
**Alt. Name** : B-Isomer (EP) ; Isoguaifenesin (USP)

**CAT No.** : KMG008006

**CAS No.** : 14007-09-1

**Molecular Formula** : C<sub>10</sub>H<sub>14</sub>O<sub>4</sub>

**Molecular Weight** : 198.2



### Analytical Information

**Batch No.** : GUA-IMP-B-011-101

**Solubility** : Methanol

**Description** : Light Yellow Thick Liquid

**Mass** : Confirm

**HPLC Purity** : 97.80 %

**IR** : Confirm

**Weight Loss By TGA** : 5.15 %

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

**% Potency** : 92.76 %

### 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 - 5.15(Weight Loss By TGA)] x [97.80(HPLC Purity)]/100 = 92.76 %

-Re-tested on 12.05.2025

**Recommendation** : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		12/05/2025
Reviewed & Approved By	Quality Control	Jatin Patel		12/05/2025

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