# CERTIFICATE OF ANALYSIS

(Certificate No. KMS024010-02)

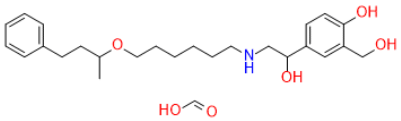
**Release Date:** 12/05/2026 **Re-test Date:** 11/05/2029

## Salmeterol Impurity E

## Identification

**Chemical Name** :
(1RS)-1-[4-Hydroxy-3-(hydroxymethyl)phenyl]-2-[[6-(1-methyl-3-phenylpropoxy)hexyl]amino]ethanol formate salt

| | |
|---|---|
| **Alt. Name** | : Salmeterol USP Related Compound B |
| **CAT No.** | : KMS024010 |
| **CAS No.** | : Not Available |
| **Molecular Formula** | : C25H37NO4 : CH2O2 |
| **Molecular Weight** | : 415.6 : 46.03 |




## Analytical Information

| | | | |
|---|---|---|---|
| **Batch No.** | : S024010-114-305 | **Solubility** | : ACN : Water |
| **Description** | : Light Brown Thick Syrup | **Mass** | : Confirm |
| **HPLC Purity** | : 95.62 % | **IR** | : Confirm |
| **Weight Loss By TGA** | : 1.16 % | **1H NMR** | : Confirm |
| **% Potency** | : 94.51 % | | |

## 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 - 1.16(Weight Loss By TGA)] x [95.62(HPLC Purity)]/100 = 94.51 %

**Recommendation** : Released

| | Department | Name | Signature | Date |
|---|---|---|---|---|
| **Prepared By** | Analytical | Jignesh Patel | | 12/05/2026 |
| **Reviewed & Approved By** | Quality Control | Jatin Patel | | 12/05/2026 |

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