

# CERTIFICATE OF ANALYSIS

(Certificate No. KMS024010-01)

Release Date: 30/01/2026

Re-test Date: 29/01/2029

## Salmeterol Impurity E

### Identification

**Chemical Name :**

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

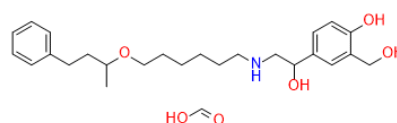
**Alt. Name** : Salmeterol USP Related Compound B

**CAT No.** : KMS024010

**CAS No.** : Not Available

**Molecular Formula** : C<sub>25</sub>H<sub>37</sub>NO<sub>4</sub> : CH<sub>2</sub>O<sub>2</sub>

**Molecular Weight** : 415.6 : 46.03



### Analytical Information

**Batch No.** : S024010-102-105

**Solubility** : Acetonitrile

**Description** : Light Yellow Thick Syrup

**Mass** : Confirm

**HPLC Purity** : 99.50 %

**IR** : Confirm

**Weight Loss By TGA** : 4.62 %

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

**% Potency** : 94.9 %

### 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 - 4.62(Weight Loss By TGA)] x [99.50(HPLC Purity)]/100 = 94.9 %

-Re-purified and Re-tested on 30.01.2026

**Recommendation** : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		30/01/2026
Reviewed & Approved By	Quality Control	Jatin Patel		30/01/2026

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