# **CERTIFICATE OF ANALYSIS**

(Certificate No. KML060020-01)

**Release Date:** 24/09/2025 **Re-test Date:** 23/09/2028

## **Albuterol EP Impurity I**

## **Identification**

#### **Chemical Name:**

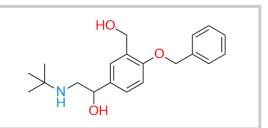
(RS)-1-(4-(Benzyloxy)-3-(hydroxymethyl)phenyl)-2-(tert-butylamino)ethan-1-ol

**CAT No.** : KML060020

**CAS No.** : 56796-66-8

Molecular Formula : C20H27NO3

**Molecular Weight** : 329.4



## **Analytical Information**

(1:1)

**Description** : White Solid

HPLC Purity : 99.45 %

Weight Loss By TGA : 0.50 %

Mass : Confirm

IR : Confirm

**% Potency** : 98.95 % **1H NMR** : Confirm

**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 - 0.50(Weight Loss By TGA)] x [99.45(HPLC Purity)]/100 = 98.95 %

-13C NMR Analysis added on 01.07.2025

-Re-tested in client method on 24.09.2025

**Recommendation** : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		06/10/2025
Reviewed & Approved By	Quality Control	Jatin Patel		06/10/2025

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