

Analysis Date: 24-09-2025

Re-test Date: 24-09-2028

SALMETEROL IMPURITY 6

Identification

Chemical Name : N-[6-(4-Phenylbutoxy)hexyl]benzylamine

CAT No : ALL-SALM-19

CAS No : 97664-55-6

Molecular Formula : C₂₃H₃₃NO

Molecular Weight : 339.5



Analytical Information

Batch Number : ALL-SALM-19

HPLC Purity : 98.00%

Solubility : MeOH: ACN

Potency : 95.71 %

Appearance of Product : Off White Solid

Mass : Confirm

Long Term Storage : 2-8 0C

IR Analysis : Confirm

Weight Loss By TGA : 1.483 %

¹HNMR : Confirm

Residue Of Ignition : 0.849 %

Additional Information

$$\% \text{Potency} = [100 - (\text{Weight Loss By TGA \%} + \text{Residue Of Ignition \%}) \times \text{Chromatographic Purity\%}] / 100 =$$

$$[100 - (1.483 + 0.849) \times 98.00] / 100 = 95.71\%$$

Recommendation : Released

	Department	Name	Signature
Prepared and Reviewed by	Analytical	Mr. Vipul Khadase Jr. Executive	
Approved By	QA&QC	Dr. Ashish Keche Director QA&QC	

Attachment : HPLC, Mass, 1H NMR, IR, TGA

Shipping Condition : All Product are stable to be shipped at room temperature, unless otherwise specified

Corporate Office

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