

Analysis Date: 19-09-2025

Re-test Date: 19-09-2028

## SALBUTAMOL IMPURITY 17

### Identification

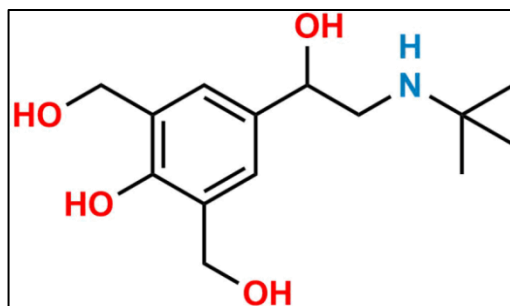
**Chemical Name** : 4-(2-(Tert-butyl(methyl)amino)-1-hydroxyethyl)-2-(hydroxymethyl)phenol

**CAT No** : ALL-SALB-33

**CAS No** : N.A.

**Molecular Formula** : C<sub>14</sub>H<sub>23</sub>NO<sub>4</sub>

**Molecular Weight** : 269.3



### Analytical Information

<b>Batch Code</b>	: ALL-SALB-33	<b>HPLC Purity</b>	: 98.00%
<b>Solubility</b>	: MeOH: ACN	<b>Potency</b>	: 97.25%
<b>Appearance of Product</b>	: Off White Solid	<b>Mass</b>	: Confirm
<b>Long Term Storage</b>	: 2-8 °C	<b>IR Analysis</b>	: Confirm
<b>Weight Content By TGA</b>	: 0.449%	<b><sup>1</sup>H NMR</b>	: Confirm
<b>Residue Of Ignition</b>	: 0.344%		

### Additional Information

$$\%Potency = [100 - (\text{Inorganic Impurities \%} + \text{Residue Of Ignition \%}) \times \text{Chromatographic Purity\%}] / 100 = [100 - (0.449 + 0.344 \times 98.00)] / 100 = 97.25\%$$

**Recommendation** : Released

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

**Attachment** : HPLC, Mass, <sup>1</sup>H NMR, IR, TGA

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

#### Corporate Office