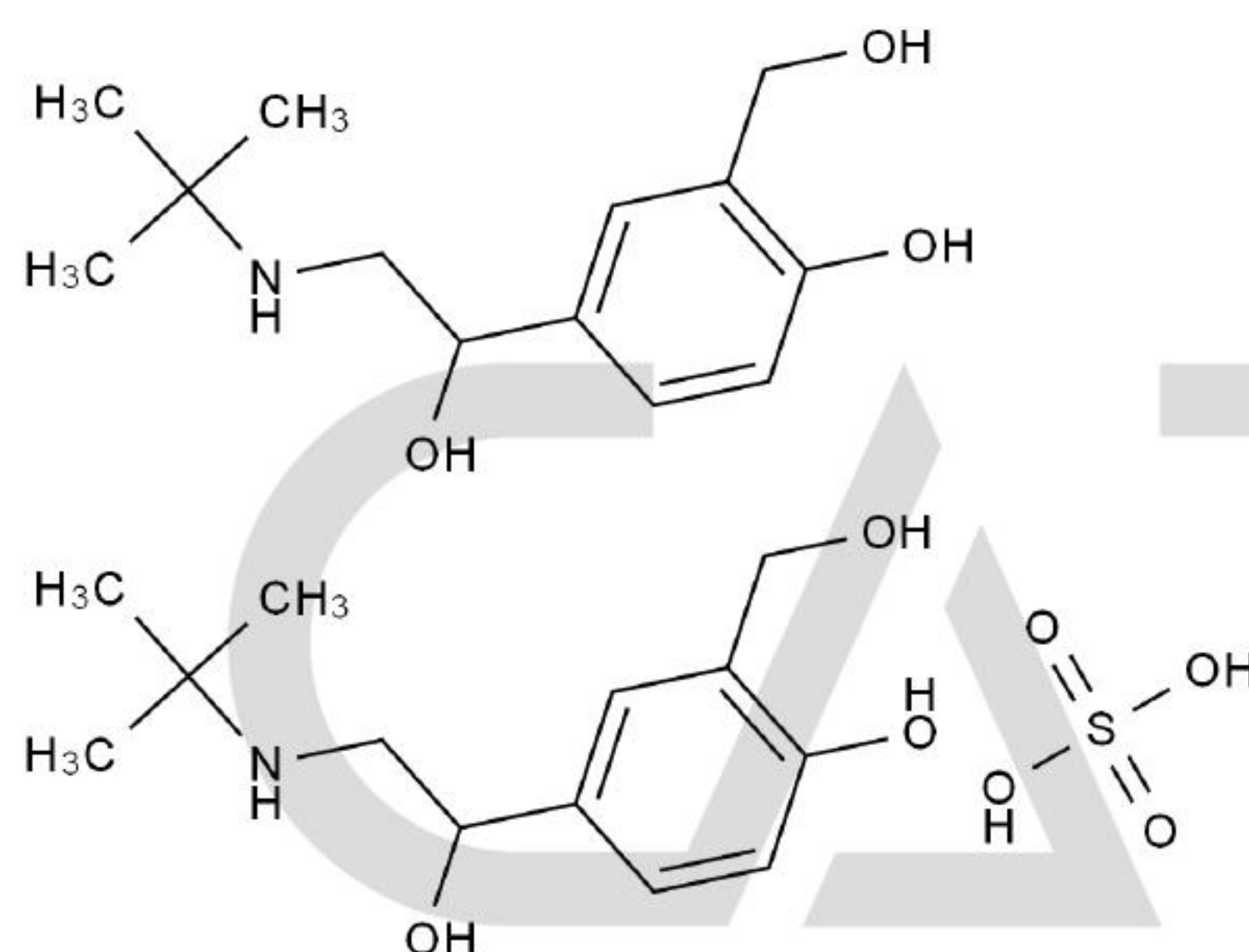


Certificate of Analysis

Reference Material & Standard

Product Name:	Albuterol Sulfate	Catalogue Number:	CCAD300405
Synonyms:	N/A	Lot Number:	0526-RH-0046
CAS Number:	51022-70-9	Expiry Date:	May 31, 2030
Molecular Formula:	2*C ₁₃ H ₂₁ NO ₃ H ₂ O ₄ S	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	2*239.31 98.08	Shipping Condition:	Shipping with Ice Packs
Solubility:	Water	Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.560%
Residue on Ignition	TGA	0.4026%
Loss on Drying	TGA	0.0375%
Assay		99.1%
Uncertainty		±0.1%

Comment:

- The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

$$\text{Assay (\%)} = (100\% - \text{Residue on Ignition} - \text{Loss on Drying}) * \text{Purity HPLC (\%)} / 100\%$$
Residue on Ignition and Loss on Drying are considered as absolute effect, HPLC purity is considered as relative effect.
- The uncertainty values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Signature:

Prepared by:

Nice

Reviewed by:

Lisa

Approved by General Manager:

David

Date: Jun 01, 2026

Date: Jun 01, 2026

Date: Jun 01, 2026

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