

# Certificate of Analysis

## Dextromethorphan hydrobromide Monohydrate

### PurCert Standard

(Secondary Reference Standard)

<b>Product Number</b>	PSR43897	<b>CAS No.</b>	6700-34-1
<b>Brand</b>	PureSynth	<b>Lot No.</b>	D43897NC0224
<b>Molecular Formula</b>	C <sub>18</sub> H <sub>28</sub> BrNO <sub>2</sub>	<b>Date of Mfg.</b>	March,2024
<b>Molecular Weight</b>	370.33 g/mol	<b>Date of Exp.</b>	February,2027

Test	Specification	Result
Description	White solid	White solid
Assay (HPLC)	≥ 99.5 %	99.91 %
Identification by <sup>1</sup> H NMR	Conforms to structure	Conforms
Identification by MS	Conforms to molecular mass	Conforms

**\*Traceable to USP Reference Standard 1181007, Lot no: R09230**

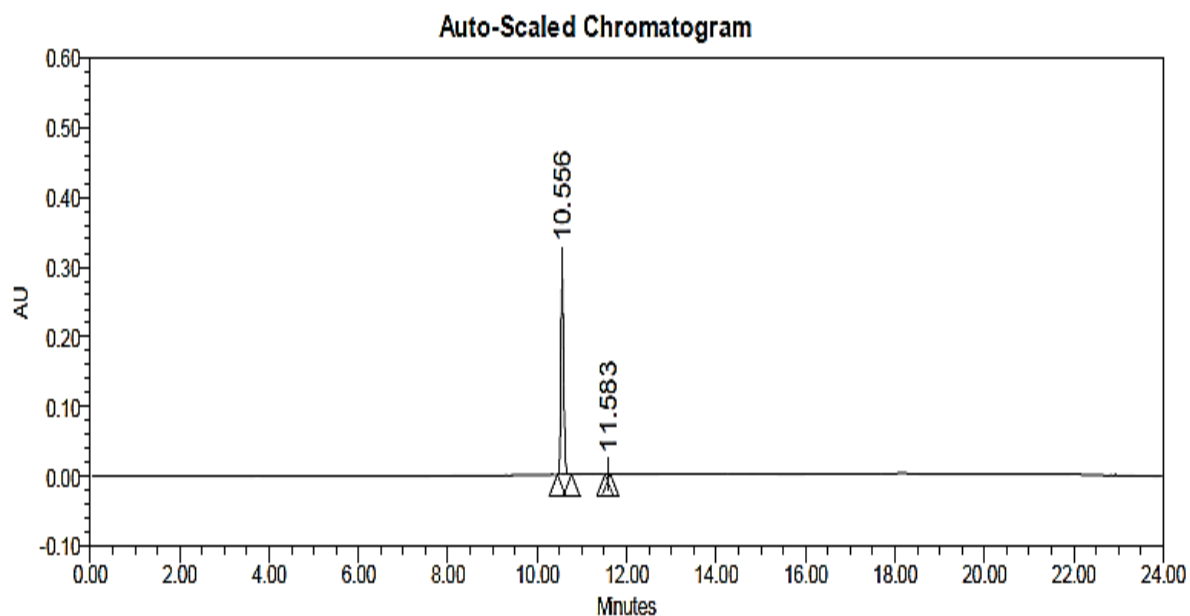
**Storage Condition:** Store at a temperature of 2-8°C and keep the container tightly closed.

**Remark:** The batch complies with the prescribed quality of the above specification.

*This is a computer-generated report -does not required sign*

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## Assay by HPLC



### Peak Results

	Name	RT	Area	% Area
1		10.556	1294759	99.91
2		11.583	1102	0.09

**Purity by HPLC: 99.91 %**

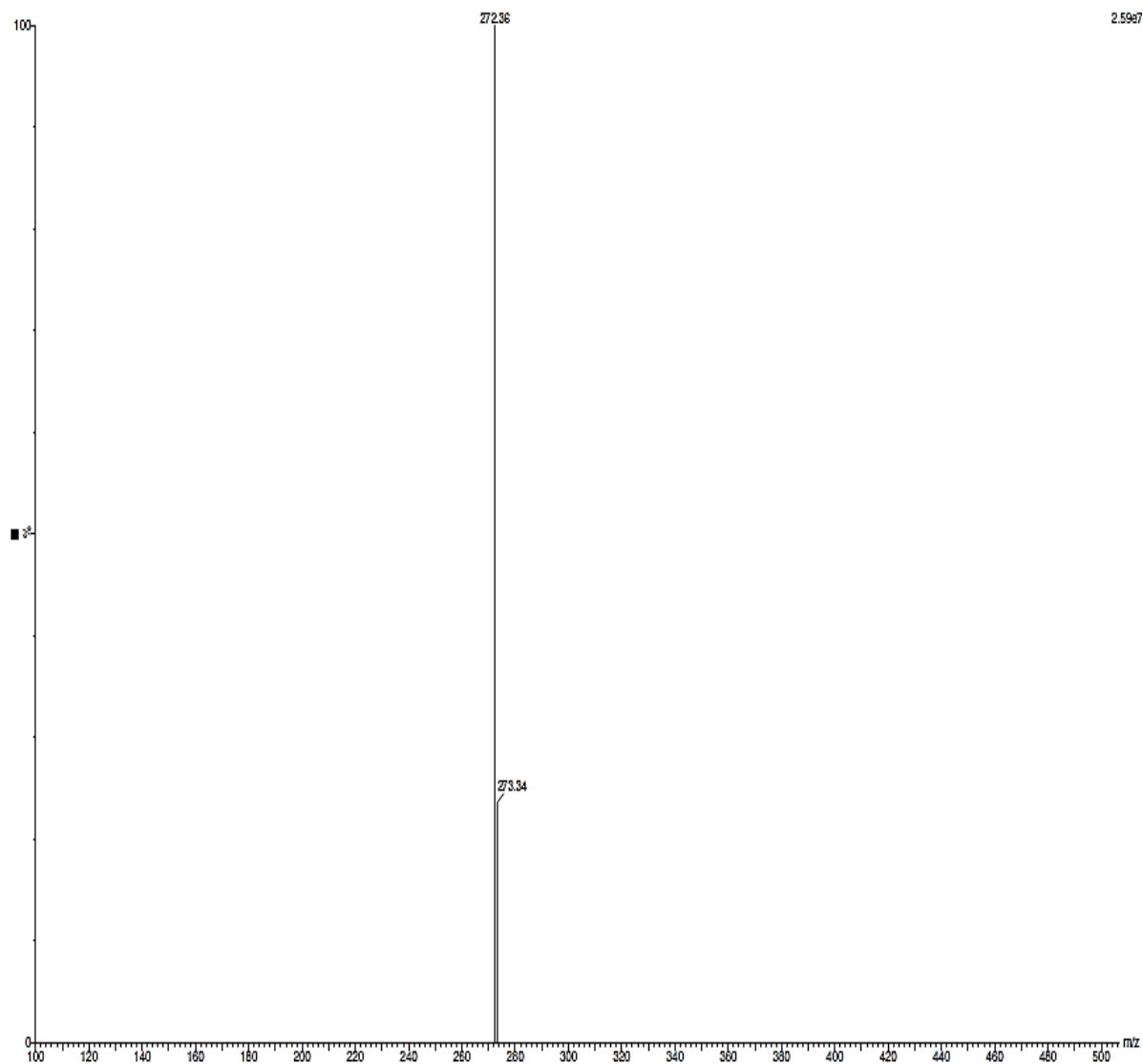
## IDENTIFICATION TESTS

### MS Spectrum:

#### Mass by MS:

Product Name: Dextromethorphan hydrobromide Monohydrate

Product Code: PSR43897



Identification by MS: Conforms to molecular mass

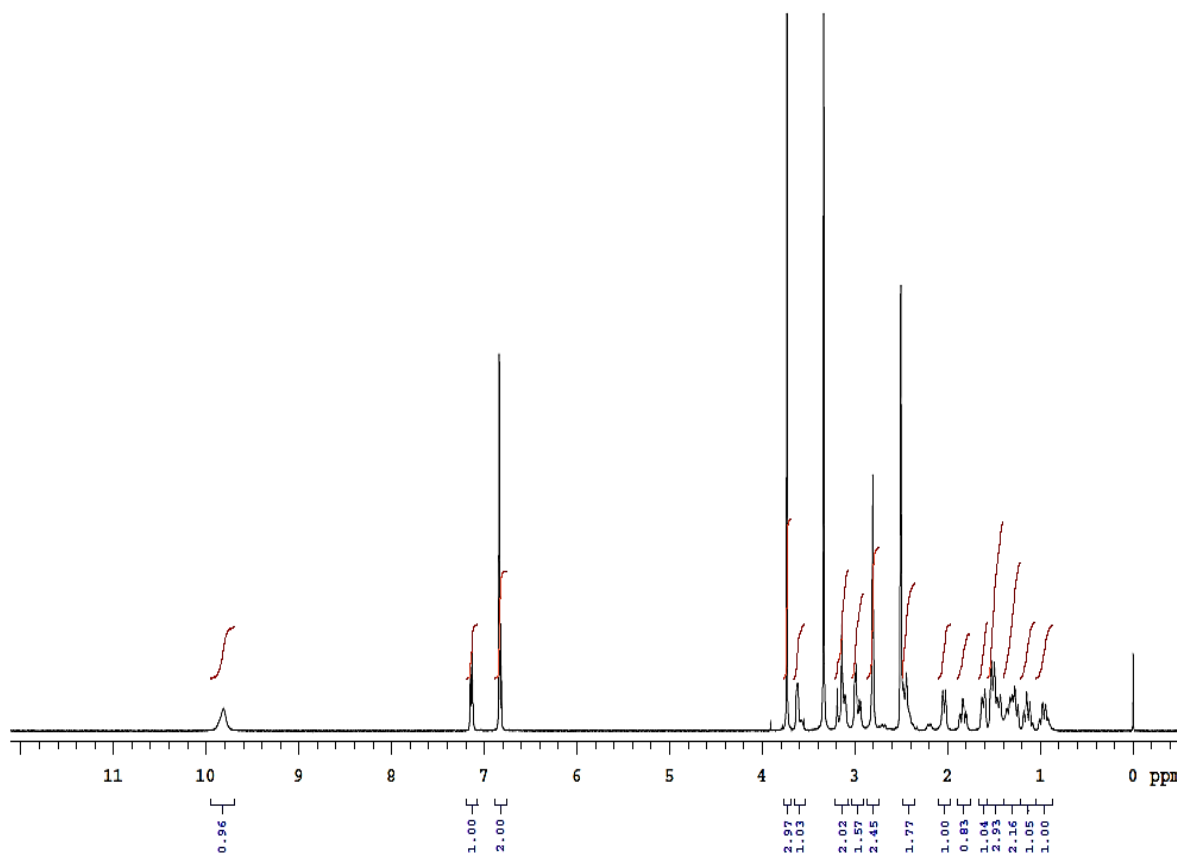
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**<sup>1</sup>H NMR Spectrum:**

**Product Name: Dextromethorphan hydrobromide Monohydrate**

**Product Code: PSR43897**



**Identification by <sup>1</sup>H NMR: Conforms to structure**

Approved By  
Head - Technical

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