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## CERTIFICATE OF ANALYSIS

Analysis Date: Jun 2024

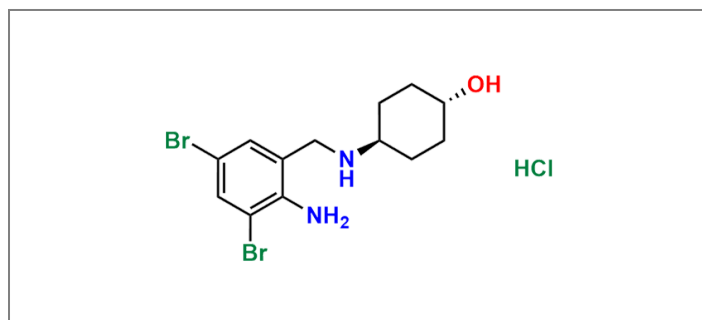
Re-test Date: May 2027

**Product Name: Ambroxol Hydrochloride (In House Standard)**

### Identification:

Chemical Name: Trans-4-[[[(2-Amino-3,5-dibromophenyl)methyl]amino]cyclohexanol hydrochloride

Synonyms : NA  
CAS Number : 23828-92-4  
CAT Number : CP-A38007  
Molecular Formula : C<sub>13</sub>H<sub>18</sub>Br<sub>2</sub>N<sub>2</sub>O : HCl  
Molecular Weight : 378.11 : 36.5  
Batch Number : CP-AMR-IN-0424



Storage Condition : Tightly closed, Inert atmosphere at 2 to 8° C  
Shipping condition : All Products are stable to be shipped at room temperature, if specific condition required it is mention in the COA

### Analytical Information:

Sr. No.	Test	Result
1)	Description	White to Off White Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	99.23%
5)	H1NMR	Confirm to structure
6)	13CNMR	Confirm to structure
7)	IR	Confirm to structure
8)	Weight loss by TGA	0.111%
9)	Potency by TGA	99.11%



**Prepared and Reviewed By**

Ms Priyanka Salunkhe  
(Manager QC Analytical)

**Approved By**

Ms Rohini Gagare  
(QA Head)

Note: Product supplied by Chemicea are for R&D purpose only and not for human consumptions.