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### CERTIFICATE OF ANALYSIS

Analysis Date:

Re-test Date:

**Product Name: Acetylcholine EP Impurity A**

#### Identification:

Chemical Name: 2-Hydroxy-N,N,N-trimethylethanaminium chloride (as per EP)

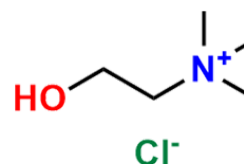
Synonyms : Choline Chloride (EP)

CAS Number : 67-48-1

CAT Number : CP-A168001

Molecular Formula : C<sub>5</sub>H<sub>14</sub>NO : Cl

Molecular Weight : 104.2 : 35.5



#### Analytical Information:

Sr. No.	Test	Result
1)	Description	Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	>95%
5)	H1NMR	Confirm to structure



**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.