



## CERTIFICATE OF ANALYSIS

**PRODUCT NAME : CHOLINE CHLORIDE 98%**

**CAS No** : 67-48-1  
**Mol. Formula** : C<sub>5</sub>H<sub>14</sub>ClNO  
**At. WT** : 139.63  
**Date of analysis** : 26/07/22

**Product code** : 31453  
**Batch No** : MCR-26187  
**Mfd.** : July 2022  
**Exp.** : June 2027

S.R	Test	Specification	Observation
1	Description	White deliquescent crystals or crystalline powder.	White deliquescent crystalline powder.
2	Assay (on dried material )	98% min	99.67%
3	pH (10% aq. solution)	5 – 6.5	5.69
4	Moisture ( By KF)	2 % max	1.90 %
5	Sulphated ash	0.2 % max	0.09 %
6	Free amine (as dimethylamine )	0.1 % max	< 0.01%

**REMARK:** THE PRODUCT COMPLIES WITH THE ABOVE SPECIFICATIONS

**[Tested By]**

**[QC Incharge]**

HEAD-QUALITY ASSUARANCE  
(G.G.Salian)

**Note:** Computer generated image requires no sign.

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