



## CERTIFICATE OF ANALYSIS

Date: 29/06/17

PRODUCT NAME : CHOLINE CHLORIDE 98% EXTRA PURE

CAS No	: 67-48-1	Product code	: 31453
Mol. Formula	: C <sub>5</sub> H <sub>14</sub> ClNO	Batch No	: MCR-13956
At. WT	: 139.63	Mfd.	: June 2017
Exp.	: May 2022		

S.R	Test	Specification	Observation
1	Assay (on dried material )	98% min	98.14 %
2	pH (10% aq. solution)	5 – 6.5	5.51
3	Moisture ( By KF)	2 % max	1.06%
4	Sulphated ash	0.2 % max	0.01%
5	Free amine (as dimethylamine )	0.1 % max	0.08%

**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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