



## **CERTIFICATE OF ANALYSIS**

**PRODUCT NAME : ACETYL CHOLINE CHLORIDE AR**

|                         |                                                      |                     |                       |
|-------------------------|------------------------------------------------------|---------------------|-----------------------|
| <b>CAS No</b>           | <b>: 60-31-1</b>                                     | <b>Product code</b> | <b>: 21100</b>        |
| <b>Mol. Formula</b>     | <b>: C<sub>7</sub>H<sub>16</sub>ClNO<sub>2</sub></b> | <b>Batch No</b>     | <b>: MCR-27919-01</b> |
| <b>Mol. WT</b>          | <b>: 181.66</b>                                      | <b>Mfd.</b>         | <b>: April 2024</b>   |
| <b>Date of analysis</b> | <b>: 04/04/24</b>                                    | <b>Exp.</b>         | <b>: March 2029</b>   |

| S.R | Test                                | Specification                       | Observation               |
|-----|-------------------------------------|-------------------------------------|---------------------------|
| 1   | Description                         | White powder or crystalline powder. | White crystalline powder. |
| 2   | Assay (ex Cl)                       | 99 % min                            | 99.12%                    |
| 3   | Melting point                       | 148-152 <sup>0</sup> C              | 148.9 <sup>0</sup> C      |
| 4   | Heavy metals (as Pb)                | 0.001% max                          | <0.001%                   |
| 5   | Loss on drying (105 <sup>0</sup> C) | 0.75% max                           | 0.14%                     |
| 6   | Sulphated ash                       | 0.1% max                            | 0.007%                    |

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

**[Tested By]**

**[QC Incharge]**

**CHEMIST**  
**(Durvas)**

**HEAD-QUALITY ASSURANCE**  
**(G.G.Salian)**

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

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