

## CERTIFICATE OF ANALYSIS

**PRODUCT NAME : SODIUM HYDROGEN CARBONATE PURIFIED**  
(Sodium bicarbonate)

|                         |                            |                     |                     |
|-------------------------|----------------------------|---------------------|---------------------|
| <b>CAS No</b>           | <b>: 144-55-8</b>          | <b>Product code</b> | <b>: 18460</b>      |
| <b>Mol. Formula</b>     | <b>: NaHCO<sub>3</sub></b> | <b>Batch No.</b>    | <b>: MCR-29369</b>  |
| <b>Mol. WT</b>          | <b>: 84.01</b>             | <b>Mfd.</b>         | <b>: Sept. 2023</b> |
| <b>Date of analysis</b> | <b>: 22/09/23</b>          | <b>Exp.</b>         | <b>: Aug. 2028</b>  |

| S.R | Test                        | Specification                       | Observation   |
|-----|-----------------------------|-------------------------------------|---------------|
| 1   | Description                 | White powder or crystalline powder. | White powder. |
| 2   | Assay (by acidimetric)      | 99-101% w/w                         | 99.89%        |
| 3   | pH (1% aq.solution)         | 8 - 8.5                             | 8.35          |
| 4   | Chloride (Cl)               | 0.03% max                           | <0.03%        |
| 5   | Sulphate (SO <sub>4</sub> ) | 0.02% max                           | <0.02%        |
| 6   | Total Nitrogen              | 0.002% max                          | <0.002%       |
| 7   | Arsenic (As)                | 0.0001% max                         | <0.0001%      |
| 8   | Lead (Pb)                   | 0.001% max                          | <0.001%       |
| 9   | Iron (Fe)                   | 0.001% max                          | <0.001%       |

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

**[Tested By]**

**[QC Incharge]**

**CHEMIST**  
**(Sharukh)**

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

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