

## CERTIFICATE OF ANALYSIS

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

|                         |                      |                     |             |
|-------------------------|----------------------|---------------------|-------------|
| <b>CAS No</b>           | : 144-55-8           | <b>Product code</b> | : 18460     |
| <b>Mol. Formula</b>     | : NaHCO <sub>3</sub> | <b>Batch No.</b>    | : MCR-29741 |
| <b>Mol. WT</b>          | : 84.01              | <b>Mfd.</b>         | : Nov. 2023 |
| <b>Date of analysis</b> | : 23/11/23           | <b>Exp.</b>         | : Oct. 2028 |

| S.R | Test                             | Specification                       | Observation               |
|-----|----------------------------------|-------------------------------------|---------------------------|
| 1   | <b>Description</b>               | White powder or crystalline powder. | White crystalline powder. |
| 2   | <b>Assay (by acidimetric)</b>    | 99-101% w/w                         | 99.76%                    |
| 3   | <b>pH (1% aq.solution)</b>       | 8 - 8.5                             | 8.27                      |
| 4   | <b>Chloride (Cl)</b>             | 0.03% max                           | <0.03%                    |
| 5   | <b>Sulphate (SO<sub>4</sub>)</b> | 0.02% max                           | <0.02%                    |
| 6   | <b>Total Nitrogen</b>            | 0.002% max                          | <0.002%                   |
| 7   | <b>Arsenic (As)</b>              | 0.0001% max                         | <0.0001%                  |
| 8   | <b>Lead (Pb)</b>                 | 0.001% max                          | <0.001%                   |
| 9   | <b>Iron (Fe)</b>                 | 0.001% max                          | <0.001%                   |

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

**[Tested By]**

**[QC Incharge]**

**CHEMIST**  
**(Priyanka)**

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

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