# CERTIFICATE OF ANALYSIS

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

| | | | |
|---|---|---|---|
| **CAS No** | **: 144-55-8** | **Product code** | **: 18460** |
| **Mol. Formula** | **: $NaHCO_3$** | **Batch No.** | **: MCR-29456** |
| **Mol. WT** | **: 84.01** | **Mfd.** | **: Oct. 2023** |
| **Date of analysis** | **: 06/10/23** | **Exp.** | **: Sept. 2028** |

| S.R | Test | Specification | Observation |
|---|---|---|---|
| 1 | **Description** | White powder or crystalline powder. | White powder. |
| 2 | **Assay (by acidimetric)** | 99-101% w/w | 99.93% |
| 3 | **pH (1% aq.solution)** | 8 - 8.5 | 8.15 |
| 4 | **Chloride (Cl)** | 0.03% max | <0.03% |
| 5 | **Sulphate ($SO_4$)** | 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**
**(Jyoti)**

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

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