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### CERTIFICATE OF ANALYSIS

**Name of the Sample** : **Sodium Hydrogen Carbonate AR**  
**Batch No.** : **225943**  
**Date of Mfg.** : **Aug 2022**  
**Date of Exp.** : **July 2027**  
**Register No.** : **2022-23**  
**Qty of Sample** : **500 gm**  
**Date of Analysis** : **Aug 2022**

| S. No | Test Parameters        | Observed Values           | Standard Values          |
|-------|------------------------|---------------------------|--------------------------|
| 1.    | Description            | Passes                    | White Crystalline Powder |
| 2.    | Assay                  | 99.78% NaHCO <sub>3</sub> | Min.99.5%                |
| 3.    | pH (5% solution)       | 8.2                       | Max.8.4                  |
| 4.    | Water-insoluble matter | 0.004%                    | Max.0.02%                |
| 5.    | Chloride               | < 0.003%                  | Max.0.003%               |
| 6.    | Nitrogen compounds     | < 0.001%                  | Max.0.001%               |
| 7.    | Phosphate              | < 0.005%                  | Max.0.005%               |
| 8.    | Silicate               | < 0.005%                  | Max.0.005%               |
| 9.    | Sulphate               | < 0.003%                  | Max.0.003%               |
| 10.   | Calcium                | < 0.005%                  | Max.0.005%               |
| 11.   | Copper                 | < 0.0005%                 | Max.0.0005%              |
| 12.   | Iron                   | < 0.001%                  | Max.0.001%               |
| 13.   | Lead                   | < 0.0005%                 | Max.0.0005%              |
| 14.   | Magnesium              | < 0.005%                  | Max.0.005%               |
| 15.   | Potassium              | < 0.005%                  | Max.0.005%               |

**Chief Chemist**