



**BUREAU OF RESEARCH, TESTING AND CONSULTATION (BRTC)**  
**Department of Chemistry**  
**Chittagong University of Engineering and Technology (CUET)**  
**Chattogram-4349, Bangladesh**

**TEST REPORT**

Test Report No. : CUET/CHEM/2026/051A

Sample Tag No. : 717120

Name of Section : Section-8(C)

B/E No. & Date : C-541502, Date: 15/03/2026



Date of Report Delivery: 17/03/2026

Sample Received on : 16/03/2026

Sample: 01 Bag (Without Sealed Condition)

Declared Commodity Name as per Invoice/MSDS: **SODIUM SULPHATE ANHYDROUS 99%**

Ref. file No. & Date: ০৫/কা:হা:চট্ট:/সেকশন-৮(সি)/৬৭১/শুকায়ন/২০২৬/২০৪৮৫(কাস);

তারিখ: ১৬/০৩/২০২৬ খ্রিঃ

**TEST RESULTS**

| SN | Parameters                          | Descriptions   |   |
|----|-------------------------------------|--|---|
| 1  | Method of test/analysis:            | Physical, chemical and spectroscopic.  |   |
| 2  | Physical properties                 | Physical state : <b>Crystalline solid</b><br>Colour : <b>White</b><br>Odour : <b>Odourless</b><br>Solubility : <b>Soluble in water</b>   | Melting point : <b>&gt; 350°C</b><br>Specific gravity : <b>&gt; 1</b> |
| 3  | Chemical and spectroscopic analysis | Sodium ion (Na <sup>+</sup> ) test : <b>Positive (+ve)</b><br>Sulphate ion (SO <sub>4</sub> <sup>2-</sup> ) test : <b>Positive (+ve)</b><br>Chloride ion (Cl <sup>-</sup> ) test : <b>Trace amount</b><br>Hydrate test : <b>Negative (-ve)</b> |   |
| 4  | Chemical name                       | Chemical name of the sample is <b>Sodium Sulphate Anhydrous (Na<sub>2</sub>SO<sub>4</sub>)</b> .   |   |
| 5  | Probable uses of the product        | <i>It is used in various industries like glass, pulp and paper, leather, soap, textile, detergent, battery, ceramic and chemical manufacturing.</i>  |   |
| 6  | Note (if any)                       | Disodium sulphate, Sodium sulfate and <b>Sodium sulphate anhydrous</b> are the same products having molecular formula <b>Na<sub>2</sub>SO<sub>4</sub></b> .  |   |

**Responses to quarries:**

1. The sample is **Sodium Sulphate Anhydrous**.
2. It is not Table Salt (Salt Sodium Chloride).
3. Comments: N/A

Test conducted by

17.03.2026

**Dr. A. H. Rashadul Hossain**  
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Checked by

17.03.26

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Countersigned by

17.03.26

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*Note: Any complain about sample / test report will not be acceptable after one month from the date of report delivery.*