



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/2026/070D

Sample Tag No. : 643172

Name of Section : Section-8(C)

B/E No. & Date : C-711125, Date: 20/04/2026



Date of Report Delivery: 22/04/2026

Sample Received on : 21/04/2026

Sample: 01 Bag (Without Sealed Condition)

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

Ref. file No. & Date: ০৫/কা:হা:চট্ট:/সেকশন-৮(সি)/৯৮৯/স্বাক্ষর/২০২৬/২৮৪৮৯(কাস)

তারিখ: ২১/০৪/২০২৬ খ্রিঃ

TEST RESULTS

| SN | Parameters | Descriptions |
|----|-------------------------------------|--|
| 1 | Method of test/analysis: | Physical, chemical and spectroscopic. |
| 2 | Physical properties | Physical state : Crystalline solid Colour : White Odour : Odourless Solubility : Soluble in water Melting point : > 350°C Specific gravity : > 1 |
| 3 | Chemical and spectroscopic analysis | Sodium ion (Na ⁺) test : Positive (+ve) Sulphate ion (SO ₄ ²⁻) test : Positive (+ve) Chloride ion (Cl ⁻) test : Trace amount Hydrate test : Negative (-ve) |
| 4 | Chemical name | Chemical name of the sample is Sodium Sulphate Anhydrous (Na₂SO₄) . |
| 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 Sodium sulphate anhydrous are the same products having molecular formula Na₂SO₄ . |


Responses to quarries:


1. The sample is **Sodium Sulphate Anhydrous** or **Disodium sulphate**.
2. It is not table salt [Sodium Chloride (NaCl)]
3. Comments: N/A

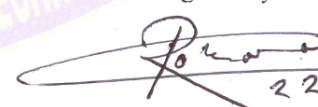
Test conducted by

Checked by

Countersigned by


22.04.26
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Note: Any complain about sample / test report will not be acceptable after one month from the date of report delivery.