

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/2026/072C

Sample Tag No. : 748466

Name of Section : Section-2

B/E No. & Date : C-692698, Date: 16/04/2026



Date of Report Delivery: 26/04/2026

Sample Received on : 23/04/2026

Sample: 01 Bag (Sealed Condition)

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

Ref. file No. & Date: ৫/কা:হা:চউ/সেকশন-২/৪৯/চুয়েট এক্সামিন/২৩/কাস-২৯০;

তারিখ: ২৩/০৪/২০২৬ 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 supplied sample is **Sodium Sulphate Anhydrous**.
2. It is not table salt [Sodium Chloride (NaCl)].

Test conducted by

Saukati
26/4/26
Dr. Saswata Rabi
Associate Professor
Department of Chemistry
Chittagong University of Engineering & Technology
Chattogram-4349, Bangladesh.

Checked by

Dr. Md. Rezaul Karim
26.04.26
Dr. Md. Rezaul Karim
Professor
Department of Chemistry
Chittagong University of Engineering & Technology
Chattogram-4349, Bangladesh.

Countersigned by

Prof. Dr. Mst. Roksana Khatun
26.04.26
Prof. Dr. Mst. Roksana Khatun
Chairman, BRTC Chemistry &
Head, Department of Chemistry, CUET
Chattogram-4349, Bangladesh
Mobile: +88 01782 618134

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