



BUREAU OF RESEARCH, TESTING AND CONSULTATION (BRTC)

Department of Chemistry

Chittagong University of Engineering and Technology (CUET)
Chattogram-4349, Bangladesh

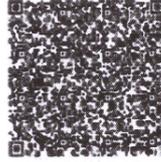
TEST REPORT

Test Report No. : CUET/CHEM/2026/043A

Sample Tag No. : 633141

Name of Section : Section-8(C)

B/E No. & Date : C-422982, Date: 28/02/2026



Date of Report Delivery: 05/03/2026

Sample Received on : 04/03/2026

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)/৫৪৬/শুক্রায়ন/২৫-২৬/১৬৭৪৭ (কাস)

তারিখ: ০৪/০৩/২০২৬ খ্রিঃ

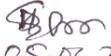
TEST RESULTS

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 . Glauber's salt, also known as Mirabilite is a hydrous sodium sulphate having molecular formula Na₂SO₄.10H₂O .

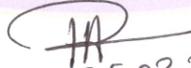
Responses to quarries:

1. The supplied sample is **Sodium sulphate anhydrous**.
2. It is neither Glauber salt nor Table Salt (Salt Sodium Chloride).
3. Comment: N/A

Test conducted by


05.03.26
Md. Din Islam
Assistant Professor
Department of Chemistry
Chittagong University of Engineering & Technology,
Chattogram-4349, Bangladesh

Checked by


05.03.2026
Dr. A. H. Rashadul Hossain
Professor
Department of Chemistry
Chittagong University of Engineering & Technology
Chattogram-4349, Bangladesh.

Countersigned by


05.03.26
Prof. Dr. Mst. Roksana Khatun
Chairman, BRTC Chemistry &
Head, Department of Chemistry, CUET
Chattogram-4349, Bangladesh
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Note: Any complain about sample / test report will not be acceptable after one month from the date of report delivery.