



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/2026/146D

Sample Tag No. : 773941

Name of Section : Section-8D

B/E No. & Date : C-1195663, Date: 11/08/2026



Date of Report Delivery: 12/08/2026

Sample Received on : 11/08/2026

Sample: 01 Bag (Sealed Condition)

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

Ref. file No. & Date: ০৫/কা:হা:চট্ট:/সেকশন-৮(ডি)/২২৩৪/সুন্ধ্যায়ন/২০২৬/১১৯৭৩ (কাস)

তারিখ: ১২/০৮/২০২৬ 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 (Na_2SO_4) .	
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 Na_2SO_4 .	

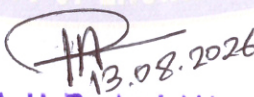
Responses to queries:

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

Test conducted by


13/8/26
Dr. Yunus Ahmed
Professor
Department of Chemistry
Chittagong University of Engineering & Technology
Chattogram-4349, Bangladesh.

Checked by


13.08.2026
Dr. A. H. Rashadul Hossain
Professor
Department of Chemistry
Chittagong University of Engineering & Technology
Chattogram-4349, Bangladesh.

Countersigned by


13.08.26
Prof. Dr. Mst. Roksana Khatun
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Note: Any complain about sample / test report will not be acceptable after one month from the date of report delivery.