



BUREAU OF RESEARCH, TESTING AND CONSULTATION (BRTC)

Department of Chemistry

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

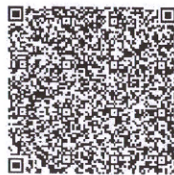
TEST REPORT

Test Report No. : CUET/CHEM/2026/151F

Sample Tag No. : 774572

Name of Section : Section-8(C)

B/E No. & Date : C-1208269, Date: 20/08/2026



Date of Report Delivery: 23/08/2026

Sample Received on : 20/08/2026

Sample: 01 Bag (Sealed Condition)

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

Ref. file No. & Date: ০৫/কা:হা:চট্ট:/সেকশন-৮(সি)/২২৯১/স্বাক্ষর/২০২৬/১৪০৪১ (কাস); তারিখ: ২০/০৮/২০২৬ খ্রি.

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 queries:

1. The supplied sample is **Sodium Sulphate Anhydrous**.
2. The sample is neither Glauber salt nor table salt [Sodium Chloride (NaCl)].
3. Sample other than question 1 & 2: N/A.

Test conducted by

Dr. Arup Kumer Roy

Dr. Arup Kumer Roy
Associate Professor
Department of Chemistry
Chittagong University of Engineering & Technology
Chattogram- 4349, Bangladesh.

Checked by

Dr. Ranajit Kumar Sulradhar
23/08/26

Dr. Ranajit Kumar Sulradhar
Professor
Department of Chemistry
Chittagong University of Engineering & Technology
Chattogram-4349, Bangladesh.

Countersigned by

Prof. Dr. Mst. Rokhsana Khatun
23.08.26

Prof. Dr. Mst. Rokhsana 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.

ফোন: +৮৮-০২৩৪৪৫৯১০১, পিএবিএক্স: +৮৮-০৩১-৭১৫৪২০/২১/২২, এক্স. ৮৭২০, ফ্যাক্স- +৮৮-০৩১-৭১৫৪১০

Mobile: +88-01815431060, PABX: +88-031-715420-22, Ext. 8720. Fax- +88-031-715410, E-mail: headchem@cuet.ac.bd.