



**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/2026/068R

Sample Tag No. : 728164

Name of Section : Section-8(D)

B/E No. & Date : C-636587, Date: 07/04/2026



Date of Report Delivery: 20/04/2026

Sample Received on : 19/04/2026

Sample: 01 Bag (Without Sealed Condition)

Declared Commodity Name as per Invoice/MSDS: **SODIUM META BI SULPHITES**

Ref. file No. & Date: ০৫/কা:হা:চট্ট:/সেকশন-৮(ডি)/৮৭৩/স্বাক্ষর/২০২৬/২৭৬৩৯ (কাস) তারিখ: ১৯/০৪/২০২৬ খ্রিঃ

**TEST RESULTS**

SN	Parameters	Descriptions
1	Method of test/analysis:	Physical, chemical and spectroscopic.
2	Physical properties	Physical state : <b>Crystalline solid</b> Melting point : <b>&gt; 350°C</b> Colour : <b>White</b> Specific gravity : <b>&gt; 1</b> Odour : <b>Odourless</b> Solubility : <b>Soluble in water</b>
3	Chemical and spectroscopic analysis	Sodium ion (Na <sup>+</sup> ) test : <b>Positive (+ve)</b> Sulphate ion (SO <sub>4</sub> <sup>2-</sup> ) test : <b>Positive (+ve)</b> Metabisulphite ion (S <sub>2</sub> O <sub>5</sub> <sup>2-</sup> ) test : <b>Positive (+ve)</b> Chloride ion (Cl <sup>-</sup> ) test : <b>Trace amount</b>
4	Chemical name	Chemical name of the sample is <b>Sodium Metabisulphite (Na<sub>2</sub>S<sub>2</sub>O<sub>5</sub>)</b> .
5	Probable uses of the product	<i>It is used as an antioxidant agent in many pharmaceutical formulations. It is extensively used as a food preservative and disinfectant. It is also used in readymade garments for washing purpose.</i>
6	Note (if any)	Sodium Metabisulphite is a salt and having molecular formula <b>Na<sub>2</sub>S<sub>2</sub>O<sub>5</sub></b> , Sodium sulphate anhydrous having molecular formula <b>Na<sub>2</sub>SO<sub>4</sub></b> and Glauber's salt, also known as Mirabilite is a <b>hydrous</b> sodium sulphate having molecular formula <b>Na<sub>2</sub>SO<sub>4</sub>·10H<sub>2</sub>O</b> .

**Responses to quarries:**

1. The supplied sample is **Sodium Meta Bi Sulphites**.
2. It is not Table salt (Salt Sodium Chloride).
3. Comment: N/A

Test conducted by

Checked by

Countersigned by

20.04.26

**Dr. Ratu Kumar Shil**  
Assistant Professor  
Department of Chemistry

**Dr. Yunus Ahmed**  
Professor  
Department of Chemistry

20.04.26

**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.