



Designation: D 928 – 87 (Reapproved 1998)

## Standard Specification for Sodium Bicarbonate<sup>1</sup>

This standard is issued under the fixed designation D 928; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reapproval. A superscript epsilon ( $\epsilon$ ) indicates an editorial change since the last revision or reapproval.

### 1. Scope

1.1 This specification covers material suitable for use in various washing, cleaning, and scouring processes, with or without soap as conditions demand, and where a mildly alkaline material is desired.

**NOTE 1—Warning:** This material may be hazardous if not properly managed. Precautionary information for the safe use, storage, and disposal of this material should be preliminarily obtained from suppliers and others. In case of personal accident with this material, apply appropriate first aid; telephone nearest Poison Control Center for assistance, and get medical attention immediately.

### 2. Referenced Documents

2.1 *ASTM Standards:*  
D 501 Test Methods of Sampling and Chemical Analysis of Alkaline Detergents<sup>2</sup>

### 3. Ordering Information

3.1 Sodium bicarbonate shall be purchased by net weight.

### 4. Chemical Composition

4.1 Sodium bicarbonate ( $\text{NaHCO}_3$ ) as received shall conform to the following requirements as to chemical composition:

$\text{Na}_2\text{CO}_3$ , max, %	0.4
$\text{NaHCO}_3$ , min, %	99.6
Matter insoluble in water, max, %	0.1

### 5. Other Requirements

5.1 Sodium bicarbonate shall be a white, uniform powder. Any caking shall be capable of being readily disintegrated.

### 6. Methods of Sampling and Analysis

6.1 The material shall be sampled and analyzed in accordance with Test Methods D 501.

<sup>1</sup> This specification is under the jurisdiction of ASTM Committee D-12 on Soaps and Other Detergents and is the direct responsibility of Subcommittee D12.14 on Analysis of Inorganic Alkaline Detergents.

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<sup>2</sup> *Annual Book of ASTM Standards*, Vol 15.04.

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