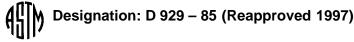
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# Standard Specification for Borax<sup>1</sup>

This standard is issued under the fixed designation D 929; 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 various washing, cleaning, and scouring processes, with or without soap as conditions demand, and where a mildly alkaline material is desired.

1.2 This material may be hazardous if not properly managed.

1.3 Precautionary information for the safe use, storage, and disposal of this material should be preliminarily obtained from suppliers and others.

1.4 In case of personal accident with this material, apply appropriate first aid; telephone the 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 Unless otherwise specified in the contract, borax shall be purchased by net weight as packed at the place of manufacture.

#### 4. Chemical Composition

4.1 Borax (sodium tetraborate,  $Na_2B_4O_7 \cdot 10H_2O$ ) as received shall conform to the following requirements as to chemical composition:

$Na_2B_4O_7$ , min, %	52.5
Excess acidity	none
Excess alkalinity as Na <sub>2</sub> O, max, %	0.2
Matter insoluble in water, max, %	0.1
Sieve test	as specified

## 5. General Requirements

5.1 Borax (sodium tetraborate) shall be a white crystalline powder or colorless transparent crystals corresponding approximately to the formula  $Na_2B_4O_7\cdot 10H_2O$ .

6.1 The material shall be sampled and analyzed in accor-

# 6. Sampling and Analysis

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

2.14 dance with Test Methods D 501.

Current edition approved May 31, 1985. Published July 1985. Originally published as D 929 – 47. Last previous edition D 929 – 50 (1980).

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