



Designation: D 929 – 85 (Reapproved 1997)

Standard Specification for Borax¹

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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

¹ 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.

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Alkaline Detergents²

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, $\text{Na}_2\text{B}_4\text{O}_7 \cdot 10\text{H}_2\text{O}$) as received shall conform to the following requirements as to chemical composition:

$\text{Na}_2\text{B}_4\text{O}_7$, min, %	52.5
Excess acidity	none
Excess alkalinity as Na_2O , 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 $\text{Na}_2\text{B}_4\text{O}_7 \cdot 10\text{H}_2\text{O}$.

6. Sampling and Analysis

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

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