



Standard Specification for Calcium Hypochlorite¹

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1. Scope

1.1 This specification covers technical-grade calcium hypochlorite in granular form.

2. Referenced Documents

2.1 ASTM Standards:

D 1921 Test Methods for Particle Size (Sieve Analysis) of Plastic Materials²

D 2022 Test Methods of Sampling and Chemical Analysis of Chlorine-Containing Bleaches³

2.2 Other Documents:

CFR 49, Parts 100 to 199, Department of Transportation, Rules and Regulations for the Transportation of Hazardous Materials⁴

Federal Specification PPP-C-2020 Chemicals, Liquid, Dry, and Paste, Packaging of⁵

3. Requirements

3.1 Technical-grade granular calcium hypochlorite shall conform to the following chemical and physical requirements:

		ASTM Test Methods
Available Chloride, % by wt	65.0 min	D 2022
Moisture, % by wt	5.5 to 10.0	D 2022
Particle Size,		
through U.S. 14 mesh, min %	75.0	D 1921
through U.S. 100 mesh, max %	10.0	D 1921
		(Method B)

4. Sampling

4.1 Sample technical-grade granular calcium hypochlorite in accordance with the appropriate section of Test Methods D 2022.

5. Test Methods

5.1 Test each composite sample for the chemical and physical requirements listed in Section 3.

6. Packaging and Labeling

6.1 Industrial or commercial quantities shall be packaged and labeled in accordance with DOT Hazardous Materials Regulations CFR 49, Parts 100 to 199, and state and local regulations.

6.2 When specified, Department of Defense procurements shall be packaged and labeled in accordance with the applicable paragraphs of Federal Specification PPP-C-2020.

7. Keywords

7.1 calcium hypochlorite

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² *Annual Book of ASTM Standards*, Vol 08.01.

³ *Annual Book of ASTM Standards*, Vol 15.04.

⁴ *Code of Federal Regulations* may be obtained from the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402.

⁵ Single copies of Federal Specifications required for bidding purposes are available without charge from General Services Administration Business Service Centers in Boston, MA; New York, NY; Washington, DC; Philadelphia, PA; Atlanta, GA; Chicago, IL; Kansas City, MO; Fort Worth, TX; Houston, TX; Denver, CO; San Francisco, CA; Los Angeles, CA; and Seattle, WA.