

SPECIFICATION OF SODIUM ALGINATE (TEXTILE GRADE)

Product Name: Fushixin® Sodium Alginate

Synonyms: Algin, Alginic Acid Sodium Salt, E401

HS Code: 3913100000

Application: Textile Printing & Dyeing

Description:

Fushixin® Sodium Alginate is a high-purity, naturally-derived polysaccharide extracted from brown seaweed. As a premier thickening agent for reactive dye printing, it is highly valued for its exceptional rheological properties and chemical stability. Our product ensures a smooth and consistent printing paste, preventing dye bleeding and enabling the creation of intricate patterns with sharp, clear outlines. With its superior water-holding capacity and excellent compatibility with reactive dyes, Fushixin® Sodium Alginate is a reliable and eco-friendly solution that consistently delivers vibrant color and a high cost-performance ratio.

TECHNICAL DATA SHEET

Item	Product Grade (Standard)	Granularity	Viscosity(mPa.s)	Moisture %	pH	Calcium Content %
Specification	Industrial Grade (Standard: SC/T3401-2006)	40 mesh, 100% passing or according to contract	According to contract requirements	≤ 15	6.0-8.0	≤0.4

Ash	Water Insoluble Matter %	Transparency(cm)	Lead (mg/kg)	Arsenic Salt (mg/kg)	Viscosity Reduction Rate(%)
/	≤0.6	/	/	/	≤20

Note: Test methods should follow the Fushixin® Standard Document SC/T3401-2006.

KEY FEATURES & BENEFITS

- 1.Exceptional Print Quality:** Provides excellent rheology to ensure clean, sharp patterns and prevent color bleeding.
- 2.Vibrant Color Yield:** Prevents reactive dyes from being fixed onto the thickener, resulting in higher color brilliance and clearer prints.
- 3.Stable and Reliable:** Maintains viscosity and stability throughout the printing process, even under high shear.
- 4.Eco-friendly:** A natural biopolymer that is biodegradable and safe for the environment.
- 5.Cost-Effective:** Offers a high-performance alternative to synthetic thickeners, improving both quality and efficiency.

PACKAGING AND STORAGE

Packaging: 25kg net weight in kraft paper bags with inner PE liner, or other packaging options as per customer request.

Storage:

- 1.Store in a cool, dry, and well-ventilated place, away from heat and direct sunlight.
- 2.Ambient temperature should not exceed 40°C, with relative humidity not exceeding 80%.
- 3.The product should be protected from water and package damage during transportation and storage.
- 4.Storage period should not exceed 2 years from the date of production.