

3-4 Disodium Phosphate (DSP)

I. Product Overview

Product Name: Disodium Phosphate (DSP)

Category: Sodium Phosphate Salt

CAS Number: 7758-79-4

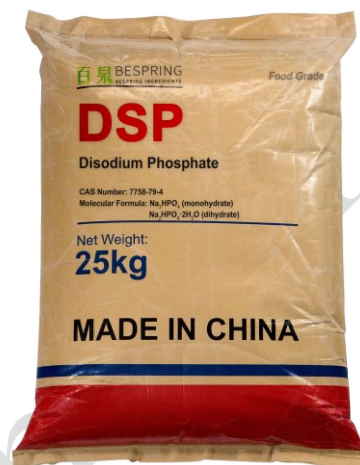
Molecular Formula: Na_2HPO_4 (monohydrate)

$\text{Na}_2\text{HPO}_4 \cdot 2\text{H}_2\text{O}$ (dihydrate)

Packing Specifications: 25 kg/bag, 22 tons/20FCL

Minimum Order Quantity: 500 kg

Quality Standards: HACCP, Kosher, Halal, ISO



II. Product Specifications

Item	Unit	Specification
Disodium Phosphate (Na_2HPO_4) Content (as anhydrous Na_2HPO_4)	%	≥98.0
Arsenic (As)	%	≤0.0003
Fluoride (F)	%	≤0.003
Heavy Metals (as Pb)	%	≤0.001
Insoluble matter in water	%	≤0.2
Lead (Pb)	%	≤0.0004
Loss on drying (Na_2HPO_4)	%	≤5.0
Loss on drying ($\text{Na}_2\text{HPO}_4 \cdot 2\text{H}_2\text{O}$)	%	18.0-22.0
Loss on drying ($\text{Na}_2\text{HPO}_4 \cdot 12\text{H}_2\text{O}$)	%	61.0

III. Applications

- In the food industry, including processed cheeses, beverages, jelly, and ice cream, it is used as an acidity regulator and water retention agent. Additionally, it serves as a water softener, fabric weighting agent, fire retardant, and is employed in glazes, solders, medicines, pigments, industrial water treatment, printing and dyeing detergents, quality enhancers, and antibiotic culture agents.

IV. Storage Conditions

Disodium Phosphate (DSP) should be stored in a cool, dry, and ventilated place, away from direct sunlight and high temperature and humidity environments. The storage temperature should not exceed 30°C.

Bespring Chemical