



# DISODIUM PHOSPHATE, ANHYDROUS

## GENERAL DESCRIPTION:

Disodium Phosphate, Anhydrous is a white powdered or granular materials, which is odorless.

## APPLICATIONS

- ◆ Stabilization of milk and dairy products
- ◆ Buffer in food products
- ◆ Chelating agent
- ◆ Produces texture in processed cheese
- ◆ Animal feed
- ◆ Water treatment

## PHYSICAL & CHEMICAL PROPERTIES:

- ◆ **Appearance:** White crystalline powder
- ◆ **Odor:** Odorless
- ◆ **Physical State:** Solid
- ◆ **pH (1% solution):** 9.1

SPECIFICATIONS		TYPICAL PROPERTIES	
Assay (as $\text{Na}_2\text{HPO}_4$ dry basis)	98.0% minimum	pH (1% solution)	9.1
Arsenic (As)	3 ppm maximum	% $\text{Na}_4\text{P}_2\text{O}_7$	< 0.3%
Fluoride (F)	50 ppm maximum	Bulk density, lbs per cu/ft (loose)	<u>Granular</u> 80 <u>Powdered</u> 85
Insoluble Substances	0.2% maximum		
Loss on Drying	5.0% maximum	Solubility	11 grams per 100 grams saturated solution at 25°C
Sieving on 20 mesh	<u>Granular</u> None		
through 100 mesh	20% maximum	<u>Powdered</u> None	
	90% minimum		

## HANDLING & STORAGE:

**Handling:** Avoid direct or prolonged contact with skin and eyes. Avoid breathing dusts.

**Storage:** Store in closed containers. This product is hygroscopic and tends to cake on storage. Store in an area that is cool, dry, well-ventilated, and isolated from all toxic and harmful substances.

\*\*\*[For more detail about product handling & safety info, please refer to the Material Safety Data Sheet](#)\*\*\*