



## Specification

### Sodium Phosphate Dibasic Dihydrate USP/FCC

**Catalog Number:** SP1013  
**CAS Number:** 10028-24-7  
**Molecular Formula:**  $\text{Na}_2\text{HPO}_4 \cdot 2\text{H}_2\text{O}$   
**Molecular Weight:** 177.99  
**Storage:** 15°C – 30°C  
**Retest Date:** Five years after date of manufacture.

Test	Specification
Appearance	White to almost white powder or colorless crystals
Assay	98.0% - 100.5%
Identification	To pass test
Loss on Drying	19.5% - 21.0%
Insoluble Substances	≤ 0.2%
Chloride	≤ 0.04%
Sulfate	≤ 0.1%
Arsenic	≤ 3ppm
Heavy Metals	≤ 0.002%
Solubility	Soluble H <sub>2</sub> O, Insoluble ETOH (96%)
Appearance of 5% solution	Clear & colorless
Reducing Substances	To pass test
Mono Sodium Phosphate	≤ 2.5%
Iron (Fe)	≤ 40ppm
Fluoride	≤ 0.005%
Lead (Pb)	≤ 4mg/kg
Pyrophosphate	≤ 2.0%
Residual Solvents: Solvent other than purified water was not used during production process of the product.	

Approved by:

*John Grubb*

John Grubb, PhD  
Gojira Fine Chemicals, LLC  
Quality Manager  
Tel: 440-539-7033 Fax: 888-211-552311,  
[john@gojirafc.com](mailto:john@gojirafc.com)

Date: November 6, 2019