



Specification

Sodium Phosphate Dibasic Anhydrous ACS/USP/FCC/EP/BP

Catalog Number:	SP1019
CAS Number:	7558-79-4
Synonym(s):	Disodium hydrogen phosphate, Disodium phosphate, Sodium hydrogenphosphate
Molecular Formula:	Na_2HPO_4
Molecular Weight:	141.96
Storage:	15°C – 30°C
Retest Period:	Five years from the date of manufacture

Test	Specification
Appearance (ACS)	White to off-white powder
Assay (Dry Basis, ACS)	≥ 99.0%
Assay (Dry Basis, USP)	98.0 – 100.5%
Assay (Dry Basis, FCC)	≥ 98.0%
Assay (Dry Basis, EP/BP)	98.0 – 101.0%
Identification (ACS)	To pass test
Identification (USP)	To pass tests
Identification (FCC)	To pass tests
Identification (EP/BP)	
A	To pass test
B	To pass test
C	To pass test
D	To pass test
Appearance of Solution (EP)	To pass test
Solubility (USP, FCC, EP/BP)	To pass test
pH (5%, ACS)	8.7 – 9.3
Moisture (LOD, ACS)	≤ 0.2%
Moisture (LOD, USP)	≤ 5.0%
Moisture (LOD, FCC)	≤ 5.0%
Moisture (EP/BP)	≤ 1.0%
Insoluble Matter (ACS)	≤ 0.01%
Insoluble Substances (USP)	≤ 0.4%
Insoluble Substances (FCC)	≤ 0.2%
Reducing Substances (EP/BP)	To pass test
Monosodium Phosphate (EP/BP)	≤ 2.5%
Pyrophosphate (FCC)	≤ 2.0%
Chloride (ACS)	≤ 0.002%
Chloride (USP)	≤ 0.06%
Chloride (EP/BP)	≤ 200ppm
Sulfate (ACS)	≤ 0.005%
Sulfate (USP)	≤ 0.2%



Gojira Fine Chemicals, LLC

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Sulfate (EP/BP)	$\leq 500\text{ppm}$
Heavy Metals (ACS)	$\leq 0.001\%$
Heavy Metals (USP)	$\leq 20\text{ppm}$
Heavy Metals (EP/BP)	$\leq 10\text{ppm}$
Arsenic (USP)	$\leq 16\text{ppm}$
Arsenic (FCC)	$\leq 3\text{mg/kg}$
Arsenic (EP/BP)	$\leq 2\text{ppm}$
Fluoride (FCC)	$\leq 0.005\%$
Iron (ACS)	$\leq 0.002\%$
Iron (EP/BP)	$\leq 20\text{ppm}$
Lead (FCC)	$\leq 4\text{mg/kg}$
Endotoxin (2.3mg/mL, USP)	$\leq 0.06\text{EU/mL}$
No class 1,2,3 or solvents other than water are used in the manufacture of the product.	

Approved:

Date: October 16, 2018

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