



**Specification for Monobasic Sodium Phosphate, Monohydrate,
USP, BP, bioCERTIFIED (TM) (S9376)**

Item Number	S9376
Item	Monobasic Sodium Phosphate, Monohydrate, USP, BP, bioCERTIFIED (TM)
CAS Number	10049-21-5
Molecular Formula	NaH ₂ PO ₄ •H ₂ O
Molecular Weight	137.99
MDL Number	
Synonyms	Monosodium Phosphate ; Sodium Dihydrogen Phosphate ; Sodium Phosphate Monobasic ; Sodium Biphosphate ; Monobasic Sodium Phosphate

Test	Specification	
	Min	Max
Assay (NaH ₂ PO ₄ ; Anhydrous Basis)	98.0	100.5 %
pH OF A 5% SOLUTION (ACIDITY)	4.2	4.5
LOSS ON DRYING	11.5	14.5 %
WATER DETERMINATION	10.0	15.0 %
INSOLUBLE SUBSTANCES		0.2 %
CHLORIDE (Cl)		0.014 %
SULFATE (SO ₄)		300 ppm
ALUMINUM, CALCIUM AND RELATED ELEMENTS		TO PASS TEST
ARSENIC (As)		2 ppm
ELEMENTAL IMPURITIES		AS REPORTED
IRON (Fe)		10 ppm
CLARITY AND COLOUR OF SOLUTION		TO PASS TEST
REDUCING SUBSTANCES		TO PASS TEST
MICROBIAL CONTENT:		
TAMC		1000 CFU/g
TYMC		100 CFU/g
Endotoxins		10 IU/g
IDENTIFICATION		
APPEARANCE		
RESIDUAL SOLVENTS		AS REPORTED

Spectrum Chemical Mfg Corp

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