

Item Number	SO130
Item	Monobasic Sodium Phosphate, Monohydrate, Granular, USP, BP
CAS Number	10049-21-5
Molecular Formula	$\text{NaH}_2\text{PO}_4 \cdot \text{H}_2\text{O}$
Molecular Weight	137.99
MDL Number	
Synonyms	Monosodium Phosphate ; Sodium Dihydrogen Phosphate ; Sodium Phosphate Monobasic ; Sodium Biphosphate ; Monobasic Sodium Phosphate

Test	Specification	
	Min	Max
APPEARANCE		
ASSAY ( $\text{NaH}_2\text{PO}_4$ ; ANHYDROUS BASIS) (USP)	98.0	103.0 %
ASSAY ( $\text{NaH}_2\text{PO}_4$ ; ANHYDROUS BASIS) (BP)	98.0	100.5 %
pH (USP)	4.1	4.5
ACIDITY (BP)	4.2	4.5
LOSS ON DRYING (BP)	11.5	14.5 %
WATER DETERMINATION (USP)	10.0	15.0 %
INSOLUBLE SUBSTANCES (USP)		0.2 %
CHLORIDE (Cl) (USP)		0.014 %
CHLORIDE (Cl) (BP)		200 ppm
SULFATE ( $\text{SO}_4$ ) (USP)		0.15 %
SULFATE ( $\text{SO}_4$ ) (BP)		300 ppm
ALUMINUM, CALCIUM, AND RELATED ELEMENTS (USP)	DOES NOT BECOME TURBID	
ARSENIC (As) (USP)		8 ppm
ARSENIC (AS) (BP)		2 ppm
IRON (Fe) (BP)		10 ppm
CLARITY AND COLOUR OF SOLUTION (BP)	SOLUTION S IS CLEAR AND COLORLESS	
REDUCING SUBSTANCES (BP)	THE SOLUTION RETAINS A SLIGHT RED COLOUR	
ELEMENTAL IMPURITIES	AS REPORTED	
IDENTIFICATION A (USP A)	POSITIVE FOR SODIUM	

Test	Specification	
	Min	Max
IDENTIFICATION B (USP B)	POSITIVE FOR PHOSPHATE	
IDENTIFICATION C (BP A)	SLIGHTLY ACIDIC	
IDENTIFICATION D (BP B)	POSITIVE FOR PHOSPHATES	
IDENTIFICATION E (BP C)	POSITIVE FOR SODIUM	
IDENTIFICATION F (BP D)	11.5	14.5%
CERTIFIED HALAL		
EXPIRATION DATE		
MANUFACTURE DATE		
RESIDUAL SOLVENTS		AS REPORTED

***Spectrum Chemical Mfg Corp***

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