



Specification for Monobasic Sodium Phosphate, Anhydrous, USP (SO187)

Item Number	SO187
Item	Monobasic Sodium Phosphate, Anhydrous, USP
CAS Number	7558-80-7
Molecular Formula	NaH ₂ PO ₄
Molecular Weight	119.98
MDL Number	
Synonyms	Monosodium Phosphate ; Sodium Biphosphate ; Sodium Dihydrogen Phosphate ; Monobasic Sodium Phosphate

Test	Specification	
	Min	Max
ASSAY (NaH ₂ PO ₄); ANHYDROUS BASIS)	98.0	103.0 %
pH OF A 5% SOLUTION	4.1	4.5
WATER DETERMINATION		2.0 %
INSOLUBLE SUBSTANCES		0.2 %
CHLORIDE (Cl)		0.014 %
SULFATES (SO ₄)		0.15 %
Al, Ca, & RELATED ELEMENTS	NO TURBIDITY	
ARSENIC (As)		8 ppm
ELEMENTAL IMPURITIES	AS REPORTED	
IDENTIFICATION A	POSITIVE FOR SODIUM	
IDENTIFICATION B	POSITIVE FOR PHOSPHATE	
APPEARANCE		
EXPIRATION DATE		
DATE OF MANUFACTURE		
RESIDUAL SOLVENTS	AS REPORTED	
MONOGRAPH EDITION		

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