

3050 Spruce Street, Saint Louis, MO 63103, USA

Website: www.sigmaaldrich.comEmail USA: techserv@sial.comOutside USA: eurtechserv@sial.com

Product Specification

Product Name:

Sodium phosphate monobasic – BioPerformance Certified, suitable for cell culture, suitable for insect cell culture, suitable for plant cell culture, ≥99.0% (titration)

Product Number:**S5011****CAS Number:**

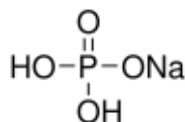
7558-80-7

MDL:

MFCD00003527

Formula:H₂NaO₄P**Formula Weight:**

119.98 g/mol

**TEST****Specification**

Appearance (Color)	White to Off-White
Appearance (Form)	Powder
Solubility (Color)	Colorless
Solubility (Turbidity)	Clear
10g plus 100 ml water	
Iron (Fe)	≤ 30 ppm
by ICP-AES	
Chloride (Cl)	≤ 40 ppm
by Ion Exchange	
Heavy Metals	< = 10 ppm
as lead	
UV Absorbance 260nm	≤ 0.2
1 M solution in H ₂ O	
UV Absorbance 280nm	≤ 0.2
1 M solution in H ₂ O	
Cell Culture Test	Pass
Insect Cell Test	Pass
Plant Cell Culture Test	Pass
Endotoxin Assay	≤ 1 EU/mg
Protease by FITC-Casein	Pass
DNAse, Exonuclease Detection	Pass
NICKase, Endonuclease Detection	Pass
RNAse Detection	Pass
Total Aerobic Count	≤ 5 CFU/g
per USP	

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.

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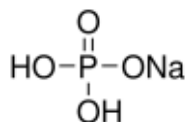
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TEST	Specification
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Loss on Drying

≤ 1.0 %

Titration with NaOH

≥ 99.0 %

Dry basis

Recommended Retest Period

4 years

Specification: PRD.2.ZQ5.10000017880

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