

3050 Spruce Street, Saint Louis, MO 63103, USA

Website: www.sigmaldrich.com

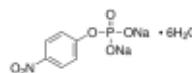
Email USA: techserv@sial.com

Outside USA: eurtechserv@sial.com

Product Specification

Product Name:
Phosphatase substrate - powder

Product Number: **P4744**
CAS Number: 333338-18-4



Formula: C₆H₄NNa₂O₆P · 6H₂O
Formula Weight: 371.14 g/mol
Storage Temperature: -20 °C

TEST	Specification
Appearance (Color)	White to Slightly-Yellow
Appearance (Form)	Powder
Solubility (Turbidity) (100 mg/ml in water)	Clear to Slightly Hazy
Solubility (Color) light yellow to light yellow green (100 mg/ml in water)	Conforms
Solubility (Form) (100 mg/ml in water)	Solution
UV Absorbance 410nm	< 0.030
Suitability Suitable for use as a substrate for alkaline phosphatase assays.	Suitable
Water (by Karl Fischer)	28.2 - 30.0 %
Sodium (Na) ICP-Atomic Emission	11.7 - 13.0 %
Phosphorus (P) ICP-Atomic Emission	8.0 - 8.6 %
Inorganic Phosphorus	≤ 0.1 %
Purity (HPLC)	≥ 97.00 %
Free P-Nitrophenol Tested by HPLC	≤ 0.100 %

Specification: PRD.0.ZQ5.10000079855

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.