



Certificate of Analysis

p-Nitrophenyl Phosphate Disodium Salt Hexahydrate

Catalog Number: NP1004
Lot Number: 0419901
CAS Number: 4264-83-9
Synonym(s): Disodium 4-nitrophenyl phosphate hexahydrate, pNPP disodium hexahydrate
Molecular Formula: $C_6H_4NNa_2O_6 \cdot 6H_2O$
Molecular Weight: 371.05
Storage: $\leq 0^\circ C$
Retest Date: April 22, 2021

Test	Specification	Result
Appearance	White to light yellow crystalline powder	Conforms
Purity (HPLC)	$\geq 99\%$	99.97%
Assay	Report	98.2%
Identification (FTIR)	To match reference spectra	Conforms
Solubility (5%)	Clear, colorless to faint yellow	Conforms
Moisture (KF)	27.6 – 30.5%	29.02%
Inorganic Impurities (Phosphate)	$\leq 1.0\%$	0.20%
Related Substances (p-Nitrophenol)	$\leq 100\text{ppm}$	66ppm
E_{max} (312nm)	≥ 9800	10260

Approved by:

Date: April 22, 2019

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