

## TMB 057 – 4-NITROPHENYL PHOSPHATE DISODIUM (HEXA)

REF NO: TBL/QA/SS/LC/TMB 057	<b>STANDARD SPECIFICATION FOR 4-NITROPHENYL PHOSPHATE DISODIUM (HEXA)</b>	Rev. No: 03
Issue No: 04		Review Date: 06/02/2025
Issue Date: 07/02/2022		Product code: TMB 057

### PRODUCT PROPERTIES

C.A.S Number	333338-18-4
Chemical Formula	$O_2NC_6H_4OP(O)(ONa)_2 \cdot 6H_2O$
Formula weight	371.14
Functional Uses	4-Nitrophenyl phosphate disodium salt hexahydrate has been used in enzyme-linked immunosorbent assay (ELISA) as a substrate for streptavidin-Alkaline Phosphatase.
Standard Packaging	5 gm. & 25 gm.

### PHYSICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Appearance	White to pale yellow crystalline powder.
Solubility	10% aqueous solution is clear & pale yellow.

### CHEMICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
pH (10% aqueous)	7.0-9.0
Chloride (Cl)	NMT- 0.01%
p-Nitrophenol	NMT- 0.02%
Iron (Fe)	NMT- 0.001%
Heavy Metals (Pb)	NMT- 0.0002%
Dnase, Rnase, Protease	Not detected
Assay	NLT – 99.0%

**NOTE:** Please consult the Material Safety Data Sheet for information regarding hazards and safe handling Practices.

