

Aladdin 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 Aladdin-e.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.

Specification Sheet

Product Name:	Sodium phosphate dibasic dihydrate
Specifications & Purity:	UltraBio™, Suitable for molecular biology, Ultra pure, ≥99%(T)
SKU #	S431143
Version	3

Parameter

Limit Values

Appearance(S431143)	Colorless or White Powder or Crystals
Assay(Titration)	99-101 (%)
Aluminum(Al)	0-5 (ppm)
Barium(Ba)	0-5 (ppm)
Bismuth(Bi)	0-5 (ppm)
Calcium(Ca)	0-10 (ppm)
Cadmium(Cd)	0-5 (ppm)
Cobalt (Co)	0-5 (ppm)
Chromium(Cr)	0-5 (ppm)
Copper(Cu)	0-5 (ppm)
Iron(Fe)	0-5 (ppm)
Potassium(K)	0-50 (ppm)
Lithium(Li)	0-5 (ppm)
Magnesium (Mg)	0-5 (ppm)
Manganese(Mn)	0-5 (ppm)
Molybdenum(Mo)	0-5 (ppm)
Nickel(Ni)	0-5 (ppm)
Lead(Pb)	0-5 (ppm)
Strontium(Sr)	0-5 (ppm)
Zinc(Zn)	0-5 (ppm)
Arsenic(As)(MHS-AAS)	0-0.1 (ppm)
Total sulfur as SO ₄ (ICP)	0-50 (ppm)
Chloride (Cl ⁻)	0-10 (ppm)
Total Nitrogen	0-10 (ppm)
Solubility(0.5m in H ₂ O),Clear colorless solution	Pass
PH (0.5M in H ₂ O)	8.9-9.2
Residue (filter test)	no residue
Dnases, Rnases, Proteases, Phosphatases	None Detected
UV - ABS. AT 260 NM(0.5M in H ₂ O)	0-0.05

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ParameterUV - ABS. AT 280 NM(0.5M in H₂O)**Limit Values**

0-0.04

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