

Specification Sheet

Product Name: **Sodium phosphate dibasic**
Specifications & Purity: **Molecular biology grade, ≥99.5%(T)**
SKU #: **S118443**

Parameter	Limit Values
Cadmium(Cd)	0-5 (ppm)
Calcium(Ca)	0-10 (ppm)
Bismuth(Bi)	0-5 (ppm)
UV Absorbance 280nm	0-0.02
Zinc(Zn)	0-5 (ppm)
Potassium(K)	0-50 (ppm)
Nickel(Ni)	0-5 (ppm)
Iron(Fe)	0-5 (ppm)
pH	8.8-9.4
Aluminum(Al)	0-5 (ppm)
Manganese(Mn)	0-5
Total Nitrogen	0-0.001 (%)
(Pb)Lead	0-5 (ppm)
Cobalt (Co)	0-5 (ppm)
Chloride (Cl-)	0-10 (ppm)
Loss on drying	0-0.1 (%)
Magnesium (Mg)	0-5 (ppm)
Lithium(Li)	0-5 (ppm)
(As)Arsenic	0-0.2 (ppm)
Barium(Ba)	0-5 (ppm)
UV Absorbance 260nm	0-0.025
Molybdenum(Mo)	0-5 (ppm)
Sulfate(SO42-)	0-50 (ppm)
Copper(Cu)	0-5 (ppm)
Chrome(Cr)	0-5 (ppm)
Strontium(Sr)	0-5 (ppm)
DNases	none detected
Insoluble matter	pass
phosphatases	none detected
pKa	6.8
proteases	none detected
RNases	none detected



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Parameter

Solubility in H₂O , soluble 0.5 M at 20 °C, clear, colorless

λ, 0.5 M in H₂O

Assay

Appearance (S118443)

ICP: Confirms Na & P Components

Limit Values

Almost transparent

Pass

99.5-102.5 (%)

White to Off-White Powder or Granules

Confirmed