

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Specification Sheet

Product Name:	<b>Sodium phosphate monobasic dihydrate</b>
Specifications & Purity:	for molecular biology, ≥99.0%(T)
SKU #	<b>S102315</b>

Parameter	Limit Values
Cobalt (Co)	0-5 (ppm)
(Pb)Lead	0-5 (ppm)
Aluminum(Al)	0-5 (ppm)
pH	4-4.5
Lithium(Li)	0-5 (ppm)
Magnesium (Mg)	0-5 (ppm)
Potassium(K)	0-200 (ppm)
Barium(Ba)	0-5 (ppm)
(As)Arsenic	0-0.2 (ppm)
Molybdenum(Mo)	0-5 (ppm)
Strontium(Sr)	0-5 (ppm)
Chrome(Cr)	0-5 (ppm)
Copper(Cu)	0-5 (ppm)
Cadmium(Cd)	0-5 (ppm)
Nickel(Ni)	0-5 (ppm)
Iron(Fe)	0-5 (ppm)
Anion traces	0-50 (ppm)
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Zinc(Zn)	0-5 (ppm)
Calcium(Ca)	0-10 (ppm)
Bismuth(Bi)	0-5 (ppm)
DNases	none detected
Insoluble matter	pass
phosphatases	none detected
proteases	none detected
RNases	none detected
Solubility in H <sub>2</sub> O , soluble , 1M , 20°C, clear, colorless	pass
X-Ray Diffraction	Conforms to Structure
A <sub>280</sub> nm ( 1M in water)	0-0.07
A <sub>260</sub> nm(1M in water)	0-0.085
Manganese(Mn)	0-5 (ppm)
Purity (Titration by NaOH)	98.5-101.5 (%)