

## Certificate of Analysis

### Compound Information

Product Name:	Sodium phosphate dibasic,HPLC
Cat. No.:	1713188
CAS No.:	7558-79-4
Molecular Formula:	HNa <sub>2</sub> O <sub>4</sub> P
Molecular Weight:	141.96
Chemical Structure:	



### Batch Information

Batch No.:	Lg0815294389
Storage:	Store at room temperature, keep dry and cool
Test Date:	2023-08-15
Retest Date:	2026-08-14
Origin:	Shanghai, China

### QC Summary

	Specification	Result
Appearance:	White to off-white (Solid)	White (Powder)
Alkalinity:	9.0-9.4	9.3
Absorbance:	≤0.15 (230nm)	Qualified
Absorbance:	≤0.12 (240nm)	Qualified
Absorbance:	≤0.11 (250nm)	Qualified
Absorbance:	≤0.05 (310nm)	Qualified
Absorbance:	≤0.02 (500nm)	Qualified
Loss On Drying,ω/%:	≤1.0	0.3
Nitrate(NO <sub>3</sub> ),ω/%:	≤0.0005	0.001
Carbonate (CO <sub>3</sub> ):	Qualified	Qualified
Condensed Phosphate:	Qualified	Qualified
Reducing Substance:	Qualified	Qualified
Water Insoluble Substance,ω/%:	≤0.01	0.003
Calcium(Ca),ω/%:	≤0.01	0.002
Magnesium(Mg),ω/%:	≤0.001	0.0004

<b>Iron(Fe),<math>\omega</math>/%:</b>	$\leq 0.004$	0.0004
<b>Zinc(Zn),<math>\omega</math>/%:</b>	$\leq 0.01$	Qualified
<b>Aluminium(Al),<math>\omega</math>/%:</b>	$\leq 0.01$	Qualified
<b>Cadmium (Cd),<math>\omega</math>/%:</b>	$\leq 0.0003$	Qualified
<b>Lead(Pb),<math>\omega</math>/%:</b>	$\leq 0.0005$	0.0002
<b>Mercury (Hg),<math>\omega</math>/%:</b>	$\leq 0.0003$	0.00006
<b>Arsenic(As),<math>\omega</math>/%:</b>	$\leq 0.0003$	0.0001
<b>Heavy Metals(as Pb):</b>	Qualified	Qualified
<b>Bacterial Endotoxin,EU:</b>	$\leq 0.5$	Qualified
<b>Assay,<math>\omega</math>/%:</b>	$\geq 99.0$	99.8
<b>Conclusion:</b>	The product has been tested and complies with the given specifications.	

**Caution: Research use only and are not intended for human use.**

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