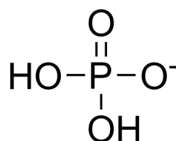


Certificate of Analysis

Compound Information

Product Name:	Sodium phosphate monobasic monohydrate, HPLC
Cat. No.:	1713200
CAS No.:	10049-21-5
Molecular Formula:	H ₄ NaO ₅ P
Molecular Weight:	137.99
Chemical Structure:	



Batch Information

Batch No.:	Lg0329232003
Storage:	Store at room temperature, keep dry and cool
Test Date:	2023-03-29
Retest Date:	2026-03-28
Origin:	Shanghai, China

QC Summary

	Specification	Result
Appearance:	White to off-white (Solid)	White (Powder)
Acidity:	4.1-4.6	4.5
Absorbance:	≤0.10 (210nm)	0.07
Absorbance:	≤0.06 (260nm)	0.04
Absorbance:	≤0.04 (280nm)	0.02
Absorbance:	≤0.02 (320nm)	0.01
Absorbance:	≤0.02 (500nm)	0.01
Loss On Drying, ω/%:	10.0-15.0	13.6
Nitrate(NO₃), ω/%:	≤0.001	Qualified
Carbonate (CO₃):	Qualified	Qualified
Condensed Phosphate:	Qualified	Qualified
Reducing Substance:	Qualified	Qualified
Water Insoluble Substance, ω/%:	≤0.005	0.001
Calcium(Ca), ω/%:	≤0.01	0.005
Magnesium(Mg), ω/%:	≤0.001	0.0003

Iron(Fe),ω/%:	≤ 0.004	0.001
Zinc(Zn),ω/%:	≤ 0.01	Qualified
Aluminium(Al),ω/%:	≤ 0.01	Qualified
Cadmium (Cd),ω/%:	≤ 0.0003	Qualified
Lead(Pb),ω/%:	≤ 0.0005	0.0003
Mercury (Hg),ω/%:	≤ 0.0003	Qualified
Arsenic(As),ω/%:	≤ 0.0003	Qualified
Heavy Metals(as Pb):	Qualified	Qualified
Bacterial Endotoxin,EU:	≤ 0.5	Qualified
Assay,ω/%:	≥ 99.0	100.1
Conclusion:	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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