

Certificate of Analysis

Compound Information

Product Name:	Potassium dihydrogen phosphate, for HPLC
Cat. No.:	1713211
CAS No.:	7778-77-0
Molecular Formula:	H ₂ KO ₄ P
Molecular Weight:	136.09
Chemical Structure:	



Batch Information

Batch No.:	Lg0329232007
Storage:	2-8°C, sealed storage, away from moisture
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:	4.2-4.5	4.4
Absorbance:	≤0.10 (210nm)	0.06
Absorbance:	≤0.06 (220nm)	0.04
Absorbance:	≤0.04 (230nm)	0.02
Absorbance:	≤0.02 (300nm)	0.01
Absorbance:	≤0.02 (500nm)	0
Loss On Drying, ω/%:	≤1.0	0.2
Nitrate(NO ₃), ω/%:	≤0.001	0.001
Carbonate (CO ₃):	Qualified	Qualified
Condensed Phosphate:	Qualified	Qualified
Reducing Substance:	Qualified	Qualified
Water Insoluble Substance, ω/%:	≤0.002	0.001
Calcium(Ca), ω/%:	≤0.01	0.00002
Magnesium(Mg), ω/%:	≤0.001	0.0001

Iron(Fe),ω/%	≤ 0.004	0.0007
Zinc(Zn),ω/%	≤ 0.01	Qualified
Aluminium(Al),ω/%	≤ 0.01	Qualified
Cadmium (Cd),ω/%	≤ 0.0003	Qualified
Lead(Pb),ω/%	≤ 0.0005	0.0002
Mercury (Hg),ω/%	≤ 0.0003	Qualified
Arsenic(As),ω/%	≤ 0.0003	0.0001
Heavy Metals(as Pb):	Qualified	Qualified
Bacterial Endotoxin,EU:	≤ 0.5	Qualified
Assay,ω/%	≥ 99.0	99.9
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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