

**Qualikems**

Qualikems Lifesciences Pvt. Ltd.

(Formerly known as Qualikems fine chem Pvt Ltd)

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CERTIFICATE OF ANALYSIS

Name of Product	:	Potassium Dihydrogen Orthophosphate	CAS No.	:	7778-77-0
Molecular Formula	:	KH ₂ PO ₄	Molecular Weight	:	136.09 g/mole
Batch No.	:	QF2501298	Grade	:	LR
Mfg. Date	:	January-2025	Retest Date	:	December-2029

Sr. No.	Tests	Specification	Observation
1	Appearance	White Crystalline powder	Complies
2	Assay (by acidimetric on dried substance)	98-101%	98.55 %
3	PH 5 % (10% water)	4.0-4.5	4.30
	Maximum limits of impurities: #		
4	Chloride (Cl)	0.001%	<0.001 %
5	Sulphate (SO ₄)	0.02 %	<0.02 %
6	Heavy metals (as Pb)	0.001 %	0.0002 %
7	Iron (Fe)	0.002%	<0.002 %
8	Arsenic (As)	0.0002 %	<0.0002 %
9	Copper (Cu)	0.0025%	0.0012 %
10	Sodium (Na)	0.1%	0.04 %
11	Zinc (Zn)	0.0025%	0.0018 %
12	Reducing substances by KMnO ₄ (as O)	0.04 %	0.03 %
13	Substances insoluble in water	0.2%	0.1 %
14	Loss on drying (130°C)	2.0 %	1.10 %

Conclusion: Product complies as per above specification.

Note: This document has been produced electronically and it is valid without signature.

Quality of our product tested and reported in the COA are as per the specification and without any prejudice/liability what so ever the end product performance.

(An ISO 9001 : 2015 & 14001 : 2015 & 45001:2018 Certified Company)

NSIC - CRISIL SE 2B which indicates " High Performance Capability & Moderate Financial Strength