

## CERTIFICATE OF ANALYSIS

Product Name	: POTASSIUM DIHYDROGEN ORTHOPHOSPHATE		
Lot No.	: PEL/TCG/250733/25	Release Date	: 1-OCT-2025
Mol. Formula	: KH <sub>2</sub> PO <sub>4</sub>	Mol. Weight	: 136.09
Code No.	: 05356	CAS No.	: 7778-77-0
Mfg. Date	: Sep-2025	Exp. Date	: Aug-2032
HAZ. / P.G.	: -	UN No.	: -

Sr.	Tests	Specifications	Results
1	Appearance	White crystalline powder	White crystalline powder
2	Assay (acidimetric; on dried basis)	98 - 100.6%	99.51%
3	Appearance of solution	Passes test	Complies
4	Identification as per pharma	Passes test	Passes test
5	pH (5% solution in water)	4.3 - 4.6	4.4
6	Chloride (Cl)	Max 0.02%	0.00099%
7	Sulphate (SO <sub>4</sub> )	Max 0.03%	0.0024%
8	Fluoride (F)	Max 0.001%	<0.001%
9	Heavy metal (as Pb)	Max 0.001%	Not detected
10	Arsenic (As)	Max 0.0002%	<0.0002%
11	Iron (Fe)	Max 0.001%	0.00015%
12	Sodium (Na)	Max 0.1%	0.015%
13	Reducing substances by KMnO <sub>4</sub> (as O)	Passes test	Complies
14	Insoluble substances and organic matter	Max 0.2%	<0.2%
15	Loss on drying (at 130°C)	Max 1.0%	0.7%

**CONCLUSION - This above product complies as per the specifications of PELICAN (TRUST LIES HERE)**

JAIK PANCHOLI  
CHEMIST

ANKIT AHJOLIA  
QC MANAGER

