



CERTIFICATE OF ANALYSIS

**PRODUCT NAME : POTASSIUM DIHYDROGEN ORTHOPHOSPHATE AR
(ANHYDROUS)**

CAS No : 7778-77-0
Mol. Formula : KH₂PO₄
Mol. WT : 136.09
Date of analysis : 04/10/24

Product code : 24880
Batch No. : MCAR-00680
Mfd. : Oct. 2024
Exp. : Sept. 2029

S.R	Test	Specification	Observation
1	Description	Almost colourless crystals or white crystalline powder.	White crystalline powder.
2	Assay (by acidimetry, on dried substance)	99.5 – 100.5 % w/w	99.58% w/w
3	pH (5% aq.solution)	4.3 - 4.5	4.34
4	Water insoluble matter	0.01 % max	0.004%
5	Chloride (Cl)	0.0005% max	< 0.0005%
6	Sulphate (SO ₄)	0.005% max	< 0.005%
7	Nitrate (NO ₃)	0.001% max	< 0.001%
8	Ammonium(NH ₄)	0.0025% max	< 0.0025%
9	Lead (Pb)	0.0005% max	< 0.0005%
10	Iron (Fe)	0.002% max	< 0.002%
11	Sodium (Na)	0.03% max	< 0.03%
12	Calcium (Ca)	0.01% max	< 0.01%
13	Loss on drying at 130°C	0.2 % max	0.18%

REMARK: THE PRODUCT COMPLIES WITH THE ABOVE SPECIFICATIONS

[Tested By]

**CHEMIST
(Akash)**

[QC Incharge]

**HEAD-QUALITY ASSURANCE
(G.G.Salian)**

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