

### Certificate of Analysis

**Product: Potassium Hydroxide Pellets**

**Item Number: POHPM**

**Grade: ACS/NF/FCC**

**Lot Number: 1001E2346B29-09**

**Manufacture Date: 04/01/2022**

**Expiration Date: 03/31/2026**

**Country of Origin: India**

Tested Property	Specification	Analysis
Color and appearance		White deliquescent pellets
Assay (as KOH)	NLT 85.0%	86.55%
Carbonate (K <sub>2</sub> CO <sub>3</sub> )	NMT 1.00%	0.35%
Chloride (Cl)	NMT 0.002%	0.0005%
Nitrogen compounds (N)	NMT 0.001%	0.0003%
Phosphate (PO <sub>4</sub> )	NMT 0.0005%	0.00002%
Sulphate (SO <sub>4</sub> )	NMT 0.003%	0.0003%
Heavy Metals	NMT 0.001%	0.0002%
Iron (Fe)	NMT 0.0005%	0.00003%
Nickel (Ni)	NMT 0.001%	0.0005%
Calcium (Ca)	NMT 0.0002%	0.00002%
Magnesium (Mg)	NMT 0.0005%	0.00002%
Sodium (Na)	NMT 0.05%	0.013%
Aluminum insoluble in HCL	Insoluble residue after ignition < 5 mg	Complies
Iron insoluble in HCL	Insoluble residue after ignition < 5 mg	Complies
Arsenic (As)	NMT 0.0001%	0.00002%
Content of potassium	NLT 59.9%	60.15%
Insoluble substances	0.01%	0.002%
Silicate (Si)	NMT 0.005%	0.0003%
Aluminium (Al)	NMT 0.002%	0.0002%

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Nitrate (NO <sub>3</sub> )	NMT 0.001%	0.0001%
Lead (Pb)	NMT 0.0005%	0.00002%
Ammonia (NH <sub>3</sub> )	NMT 0.0005%	0.00002%
Zinc (Zn)	NMT 0.001%	0.0003%
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