

## Certificate of Analysis

### Potassium hydroxide

Pure, pellets, ≥86% (T)

|                          |             |                     |            |
|--------------------------|-------------|---------------------|------------|
| <b>Product Number</b>    | PSR9997     | <b>CAS No.</b>      | 1310-58-3  |
| <b>Brand</b>             | PureSynth   | <b>Lot No.</b>      | P9997H1023 |
| <b>Molecular Formula</b> | KOH         | <b>Date of Mfg.</b> | Oct.2023   |
| <b>Molecular Weight</b>  | 56.11 g/mol | <b>Date of Exp.</b> | Sep.2026   |

| <b>Test</b>                             | <b>Specification</b> | <b>Result</b> |
|-----------------------------------------|----------------------|---------------|
| Appearance                              | White solid          | White solid   |
| Assay                                   | ≥ 86.0 %             | 86.1 %        |
| Assay of K <sub>2</sub> CO <sub>3</sub> | NMT 0.6 %            | Conforms      |
| Calcium (Ca)                            | NMT 0.001 %          | Conforms      |
| Aluminium (Al)                          | NMT 0.0005 %         | Conforms      |
| Sodium (Na)                             | NMT 0.5 %            | Conforms      |
| Silver (Ag)                             | NMT 0.0005 %         | Conforms      |
| Bismuth (Bi)                            | NMT 0.0005 %         | Conforms      |
| Barium (Ba)                             | NMT 0.0005 %         | Conforms      |
| Copper (Cu)                             | NMT 0.0005 %         | Conforms      |
| Iron (Fe)                               | NMT 0.0005 %         | Conforms      |
| Chloride (Cl)                           | NMT 0.0005 %         | Conforms      |
| Manganese (Mn)                          | NMT 0.0005 %         | Conforms      |
| Molybdenum (Mo)                         | NMT 0.0005 %         | Conforms      |

*This is a computer-generated report -does not required sign*

**Worldwide Helpline No.** 1800-120-1234-34 , Email: [info@pure-synth.com](mailto:info@pure-synth.com) , Website: [www.pure-synth.com](http://www.pure-synth.com)

|                                 |              |          |
|---------------------------------|--------------|----------|
| Sulphate (SO <sub>4</sub> )     | NMT 0.0005 % | Conforms |
| Silicate (As SiO <sub>2</sub> ) | NMT 0.0005 % | Conforms |
| Phosphate (PO <sub>4</sub> )    | NMT 0.0005 % | Conforms |
| Total N                         | NMT 0.0005 % | Conforms |

**Condition:** Store at room temperature and keep container tightly closed in a well-ventilated place.

**Remark:** The batch complies with the prescribed quality of the above specification.

Approved By  
Head - Technical