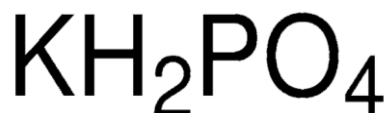


## Product Specification

Product Name:

**Potassium Dihydrogen Phosphate, *PurReagent*, ≥99.99% Trace metals basis**

Product No.: PSR20805  
Brand: PureSynth  
CAS No.: 7778-77-0  
Molecular Formula:  $\text{KH}_2\text{PO}_4$   
Molecular Weight: 136.09 g/mol



| Test                                    | Specification         |
|-----------------------------------------|-----------------------|
| Appearance                              | White Solid           |
| Turbidity (100 mg/mL, H <sub>2</sub> O) | Clear                 |
| Purity (Based on Trace metals basis)    | ≥ 99.99 %             |
| pH (5 % in H <sub>2</sub> O)            | 4.2 - 4.5             |
| % Phosphorus (By Titration with NaOH)   | 22.3 – 23.2 %         |
| Potassium (K) component by ICP          | Conforms              |
| Aluminium (Al)                          | NMT 1.0 ppm           |
| Barium (Ba)                             | NMT 0.5 ppm           |
| Calcium (Ca)                            | NMT 0.5 ppm           |
| Chromium (Cr)                           | NMT 1.0 ppm           |
| Cesium (Cs)                             | NMT 10.0 ppm          |
| Iron (Fe)                               | NMT 0.5 ppm           |
| Iridium (Ir)                            | NMT 5.0 ppm           |
| Lithium (Li)                            | NMT 5.0 ppm           |
| Sodium (Na)                             | NMT 15.0 ppm          |
| Rubidium (Rb)                           | NMT 30.0 ppm          |
| Antimony (Sb)                           | NMT 5.0 ppm           |
| Strontium (Sr)                          | NMT 1.0 ppm           |
| Identification by IR                    | Conforms to structure |

Specification: PR-1.0-QA/950

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For queries on this Specifications, please contact our technical team at [technical@pure-synth.com](mailto:technical@pure-synth.com)