

**Mono potassium phosphate:** Mono potassium Phosphate is a highly soluble, water-soluble inorganic compound composed of potassium and phosphate. It is produced by reacting phosphoric acid with potassium carbonate or potassium hydroxide. MKP is widely used across various industries due to its unique properties.

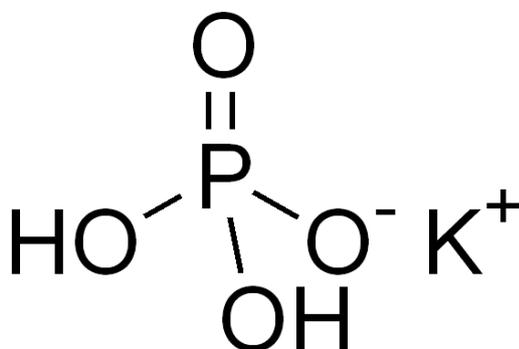
**Chemical name:** Mono potassium phosphate

**Chemical formula:**  $\text{KH}_2\text{PO}_4$

**E number:** E340 (i)

**Molecular weight:** 136.086 g/mol

**Structural formula:**



**Uses:** Agricultural Applications (providing essential nutrients—phosphorus (P) and potassium (K)—that are crucial for plant growth), Food Industry (acidity regulator, emulsifier, stabilizer, maintain pH levels, improve texture, enhance flavour), Pharmaceuticals (buffering agent), Fire Extinguishers, Water Treatment.