

**Product Name****di-Potassium hydrogen phosphate****Grade: Laboratory****Synonyms**

Potassium monohydrogen phosphate, Potassium phosphate dibasic

**CAS Number**

7758-11-4

**General Information**

<b>Chemical formula:</b>	K <sub>2</sub> HPO <sub>4</sub>	<b>Molar Mass:</b>	174.18 g/mol
<b>Appearance:</b>	White solid	<b>Density:</b>	2.44 g/cm <sup>3</sup> (20 °C)
<b>Solub. in water:</b>	1600 g/l (20 °C)	<b>Melting point:</b>	decomposes > 465 °C
<b>pK<sub>a</sub>:</b>	12.4	<b>pK<sub>b</sub>:</b>	6.8
<b>Storage temp.:</b>	Below +30 °C	<b>Cautions:</b>	May be irritant
<b>pH value:</b>	9 (10 g/l, H <sub>2</sub> O, 20 °C)	<b>Odor:</b>	Odorless
<b>HS-No.:</b>	2835 24 000	<b>EC-Index-No.:</b>	231-834-5

**Hazard Symbol****Specification**

Assay (by acidimetry)	98.0 - 100.5	%
pH (5 % in H <sub>2</sub> O)	8.5 - 9.6	
Chloride (Cl)	≤ 0.03	%
Sulfate (SO <sub>4</sub> )	≤ 0.1	%
Heavy metals(as Pb)	≤ 10	ppm
Insoluble substances	≤ 0.2	%
Loss on drying (105 °C)	≤ 1	%

**Ordering Information**

Volume:	1 Kg	2.5 Kg	5 Kg	10 Kg	20 Kg
<b>Plastic</b>	423.05.01000.02	–	423.05.05000.02	423.05.10000.02	–
<b>Glass</b>	–	–	–	–	–