

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

Potassium monohydrogen phosphate, Potassium phosphate dibasic

CAS Number

7758-11-4

General Information

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

Hazard Symbol**Specification**

Assay	98.0 - 100.5	%
pH (5 %)	8.5 - 9.6	
Chloride	≤ 0.03	%
Sulfate	≤ 0.1	%
Heavy metals (as Pb)	≤ 10	ppm
Insoluble substance	≤ 0.2	%
Identification (Potassium)	Conforms	
Identification (Phosphate)	Conforms	
Iron	30	ppm
Limit of monobasic or tribasic salt	Conforms	
Loss on drying	≤ 0.0001	%
Carbonate	Conforms	
Sodium	Conforms	
Limit of Flouride	≤ 0.001	%

Ordering Information

Volume:	1 Kg	2.5 Kg	5 Kg	10 Kg	20 Kg
Plastic	423.04.01000.02	–	423.04.05000.02	423.04.10000.02	–
Glass	–	–	–	–	–