

Monopotassium Phosphate (MKP) TG



DESCRIPTION

General Description		Origin
Monopotassium Phosphate MKP		China
Grade	E number	Formula
Tech grade		KH_2PO_4
Molecular weight	EINECS	CAS number
136.086	231-913-4	7778-77-0

PRODUCT CHARACTERISTICS

Physicochemical properties	Unit	Standard	Test Result
Main content (KH_2PO_4)	w/%	≥ 99.0	99.83
Total P205 content	w/%	≥ 52.0	52.02
P205 soluble in water	w/%	≥ 52.0	52.02
P205 soluble in pH neutral 5% water solution of ammonium citrate	w/%	≥ 52.0	> 52
Potassium oxide (K2O)	w/%	≥ 34.0	34.2
K2O soluble in water	w/%	≥ 34.0	34.2
Moisture	w/%	≤ 0.2	0.09
Water insoluble	w/%	≤ 0.1	0.006
PH	-	4.3 - 4.7	4.47
Arsenic (in terms of As)	mg/kg	≤ 3	1
Fluoride (in terms of F)	mg/kg	≤ 50	24
Sulfate (in terms of SO_4)	mg/kg	≤ 50	26
Mercury (in terms of Hg)	mg/kg	≤ 1	1
Cadmium (in terms of Cd)	mg/kg	≤ 1	1
Lead (Pb)	mg/kg	≤ 4	1
Iron (Fe)	mg/kg	≤ 30	3
Chloride (Cl)	mg/kg	≤ 100	33
Chromium (Cr) 6+	mg/kg	≤ 2	< 1
Nickel (Ni)	mg/kg	≤ 100	23
Perchlorate (ClO_4)	mg/kg	≤ 50	32
Copper (Cu)	mg/kg	≤ 600	No Detected
Zinc (Zn)	mg/kg	≤ 1500	No Detected
Chromium (Cr)	mg/kg	≤ 10	< 1
Sieving through a sieve with a mesh size of 1mm	w/%	≥ 90	90.6
Appearance	-	White crystals	White crystals