

Tetrapotassium Pyrophosphate (TKPP) FG



DESCRIPTION

General Description		Origin
Tetrapotassium Pyrophosphate		China
Grade	E number	Formula
Food grade	E450 (v)	$\text{K}_4\text{P}_2\text{O}_7$
Molecular weight	EINECS	CAS number
330.34	230-785-7	7320-34-5

PRODUCT CHARACTERISTICS

Physicochemical properties	Unit	Standard	Test Result
Main content ($\text{K}_4\text{P}_2\text{O}_7$)	w/%	≥ 95.0	96.50
Phosphorus pentoxide (P_2O_5) w/%	w/%	≥ 42.0	42.08
Potassium oxide (K_2O) w/%	w/%	≥ 56.0	56.07
Moisture	w/%	≤ 0.2	0.006
Water insoluble matter	w/%	≤ 0.1	0.02
Fluoride (in terms of F)	mg/kg	≤ 10	4.2
Arsenic (in terms of As)	mg/kg	≤ 3	< 0.2
Heavy metals (in terms of Pb)	mg/kg	≤ 10	< 10
Lead (Pb)	mg/kg	≤ 2	0.1
PH (30g/L aqueous solution)	-	10.0 – 11.0	10.4
Loss on drying	w/%	0.5	0.1

Further specifications are available upon request

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