

Di Potassium phosphate

SPECIFICATION

Specification No.	VCPL/SPEC/QC/29
Grade	Pure
Molecular formula	K ₂ HPO ₄
Molecular weight	174.23
CAS No.	7758-11-4
Also known as	DKP (Di-potassium hydrogen phosphate)

Appearance	Visual observation	A white fine powder, hygroscopic.
Solubility 5% in distilled water	% w/v	Clear solution
pH of 5% solution	% w/v	8.30 – 9.7
Assay (LOD basis)	% w/w	99.0% min
Phosphate (as P ₂ O ₅)	% w/w	40.0% min
Water insoluble matter	% w/w	0.01% max.
Chloride (as Cl)	% w/w	0.01% max.
Iron (as Fe)	% w/w	0.005% max
Loss on drying (at 105°C)	% w/w	2.0 % max
Sulphate	% w/w	0.01% max

***Storage:-** Store under the roof in well closed bags/container & the dry environments.

Note:- This paper is digitally signed.

