

## Tri Potassium phosphate Anhydrous

### SPECIFICATION

<b>Specification No.</b>	VCPL/SPEC/QC/30
<b>Grade</b>	Pure/Anhydrous
<b>Molecular formula</b>	K <sub>3</sub> PO <sub>4</sub>
<b>Molecular weight</b>	212.3
<b>CAS No.</b>	7778-53-2
<b>Also known as</b>	Potassium phosphate Tribasic, TPP

<b>Description</b>	Visual observation	White powder, Hygroscopic free flowing
<b>Identification</b>	Test for Potassium & Phosphate	Complies
<b>Solubility (5% solution in distilled water)</b>	% w/v % w/w	Freely soluble & clear solution
<b>Assay % (Calculated on ignited basis)</b>	% w/w	Min. 95% of K <sub>3</sub> PO <sub>4</sub>
<b>Water (by K/F)</b>	% w/w	Max. 5.0%
<b>Sulphate (as SO<sub>4</sub>)</b>	% w/w	Max.0.005%
<b>Iron as Fe</b>	% w/w	Max.0.001%
<b>pH (1% solution)</b>	% w/w	11.5 – 12.5
<b>Loss on Ignition (at 800°C)</b>	% w/w	Max.12.0 %
<b>Phosphate (as PO<sub>5</sub>)</b>	% w/w	Min. 33%

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

**Note:-** This paper is digitally signed.

