

## Di sodium phosphate

### SPECIFICATION

Specification No.	VCPL/SPEC/QC/39
Grade	Pure/Anhydrous
Molecular formula	Na <sub>2</sub> HPO <sub>4</sub>
Molecular weight	141.96
CAS No.	7558-79-4
Also known as	DSP ( Di-sodium hydrogen phosphate, Sodium phosphate dibasic)

Appearance	Visual observation	A white fine powder, hygroscopic.
Solubility (5% solution)	% w/v	Clear solution
pH of 5% solution	% w/v	8.8 – 9.7
Assay (LOD basis)	% w/w	98.0% min
Phosphate (as P <sub>2</sub> O <sub>5</sub> )	% w/w	50.0% min
Chloride (as Cl)	% w/w	0.05% max.
Sulphate (as SO <sub>4</sub> )	% w/w	0.010% max.
Iron (as Fe)	% w/w	0.002% max
Lead (as Pb)	% w/w	0.0005% max
Arsenic (as As)	% w/w	0.0001% max
Loss on drying (at 120°C)	% w/w	1.0 % max

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

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

