

# Certificate of Analysis

## TPP –STANOX

### Tri Phenyl Phosphite

CAS number : 101-02-0

Molecular formula:  $C_{18}H_{15}O_3 P$

Origin : India

Tri Phenyl Phosphite (TPP) is a clear liquid, used as a performance additive to improve the colour and clarity of alkyd resin, unsaturated polyester resin and various industrial oils during their manufacture. The manufacture of various resins involves the use of high temperatures, usually in excess of 150° C. At these temperature the reaction mass tends to get coloured due to oxidation. Tri Phenyl Phosphite acts as an anti-oxidant and prevents colour formation of the finished product, as a result of which better quality resins are obtained.

No	Parameters	Specifications	Results	TEST METHODS
1	Appearance	Colorless to faint yellow clear liquid	Passes	QA/TM/01
2	Color (in Apha)	50.0 Max	5.0	QA/TM/91
3	Refractive Index (at 25°C)	1.586-1.590	1.589	QA/TM/29
4	Acid value (mg of KoH.gr)	1.5 Max	0.1	QA/TM/13

### Physical Property

Molar mass	310.28 gr/mol
Density	1.184 gr/ml
Melting point	22-24 °C
Boiling point	360 °C
Solubility	in water Organic solvent

