

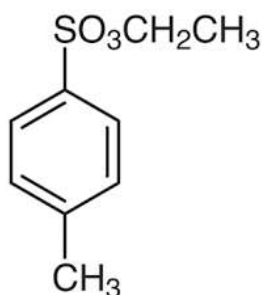
## Certificate of Analysis.

### Ethyl-p-Toluene Sulphonate reference standard, AnStan®.

Product code:	BS13551.
Description:	Ethyl-p-Toluene Sulphonate reference standard, AnStan®.
Chemical Name:	p-Toluenesulfonic Acid Ethyl Ester.
Pack:	5 ml.
CAS No.:	80-40-0.
Mol. Weight:	200.25 g/mol.
Mol. Formula:	C <sub>9</sub> H <sub>12</sub> O <sub>3</sub> S.
Solubility:	Soluble in methanol.
MDL Number:	MFCD00009100.
Melting Point:	30°C.
Boiling Point:	173°C.
Density:	1.174 g/cm <sup>3</sup> .
Storage:	Store at ambient temperature.
LOT NO.:	Sample.
Manufacture Date:	Lot specific.
Expiry Date:	5 years.

Test	Specification	Measured Values
Appearance:	White or Colorless to Yellow powder to lump to clear liquid.	Lot specific.
Identification by NMR:	Confirms to the structure.	Lot specific.
Identification by MASS:	Confirms to the structure.	Lot specific.
Identification by IR:	Confirms to the structure	Lot specific.
Purity by GC:	>99%.	Lot specific.

Please Note: - This material is only for laboratory purpose and not for human consumption. This is a computer generated COA, no stamp or signature is required.




**Dr. K. Deepti.**  
**Technical Head.**

