



## Certificate of Analysis.

### Diethylene Glycol, AnStan™ GC Reference Standard.

Product Code:	<b>BS10158</b>
Description:	<b>Diethylene Glycol, AnStan™ GC Reference Standard.</b>
Chemical Name:	<b>2-(2-hydroxyethoxy) ethanol.</b>
Pack Size:	<b>100 ml.</b>
CAS NO.:	<b>111-46-6.</b>
Mol. Weight:	<b>106.12 g/mol.</b>
Mol. Formula:	<b>C<sub>4</sub>H<sub>10</sub>O<sub>3</sub>.</b>
MDL Number:	<b>MFC000002882.</b>
Solubility:	<b>Miscible in water.</b>
Density:	<b>1.118 g/ml.</b>
Melting Point:	<b>-10.45°C.</b>
Boling Point:	<b>244 to 245°C.</b>
Autoignition Temperature:	<b>229°C.</b>
Viscosity:	<b>0.30 cP at 25°C.</b>
Storage:	<b>Store in a cool, dry well-ventilated location.</b>
LOT NO.:	<b>Sample.</b>
Manufacture Date:	<b>Lot Specific.</b>
Expiry Date:	<b>3 Years.</b>

Characteristics	Specification	Measured Values
Appearance:	<b>Clear colorless liquid.</b>	<b>Lot specific.</b>
Purity GC/FID:	<b>Min. 99.80 %.</b>	<b>Lot Specific.</b>
Water (KF):	<b>Max. 0.030 % w/w.</b>	<b>Lot Specific.</b>
Residue after evaporation:	<b>Max. 0.001 %w/w.</b>	<b>Lot Specific.</b>
Identity (IR):	<b>Confirms to structure.</b>	<b>Lot specific.</b>
Identification by GC/MS	<b>Confirm.</b>	<b>Lot specific.</b>
<sup>1</sup> H NMR spectrum:	<b>Confirms to structure.</b>	<b>Lot specific.</b>

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.

**Prepared by.**  
**Navaneetha. D.**  
**Chemist.**

**Reviewed by.**  
**Sai Kumar. N.**  
**Sr Chemist.**

