



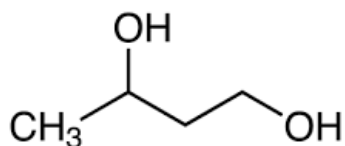
## Certificate of Analysis.

### 1,3-Butanediol GC reference standard, AnStan<sup>®</sup>.

Product Code:	<b>BS13876.</b>
Description:	<b>1,3-Butanediol GC reference standard, AnStan<sup>®</sup>.</b>
Chemical Name:	<b>1,3-Butylene Glycol.</b>
Pack Size:	<b>100 ml.</b>
CAS NO.:	<b>107-88-0.</b>
Mol. Weight:	<b>90.12 g/mol.</b>
Mol. Formula:	<b>C<sub>4</sub>H<sub>10</sub>O<sub>2</sub>.</b>
MDL Number:	<b>MFCD00004554.</b>
Melting Point:	<b>-54 °C.</b>
Boiling Point:	<b>207 °C.</b>
Density:	<b>1.00 g/cm<sup>3</sup>.</b>
Solubility:	<b>Soluble in water.</b>
Storage:	<b>Store at ambient temperature.</b>
LOT NO.:	<b>Sample.</b>
Manufacture Date:	<b>Lot specific.</b>
Expiry Date:	<b>5 years.</b>

Characteristics	Specification	Measured Values
Appearance:	Colorless to Light yellow clear liquid.	<b>Lot specific.</b>
Identification by NMR:	Confirms to the structure.	<b>Lot specific.</b>
Identification by MASS:	Confirms to the structure.	<b>Lot specific.</b>
Identification by IR:	Confirms to the structure.	<b>Lot specific.</b>
Purity by GC:	>99%.	<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.



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

