



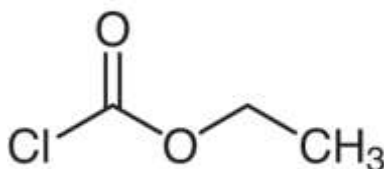
## Certificate of Analysis.

### Ethyl chloroformate GC reference standard, AnStan<sup>®</sup>.

Product code:	<b>BS14461.</b>
Description:	<b>Ethyl chloroformate GC reference standard, AnStan<sup>®</sup>.</b>
Chemical Name:	<b>Chloroformic Acid Ethyl Ester.</b>
Pack:	<b>100 ml.</b>
CAS NO.:	<b>541-41-3.</b>
Mol. Weight:	<b>108.52 g/mol.</b>
Mol. Formula:	<b>C<sub>3</sub>H<sub>5</sub>ClO<sub>2</sub>.</b>
MDL Number:	<b>MFCD00000644.</b>
Melting point:	<b>-81 °C.</b>
Boiling Point:	<b>95 °C.</b>
Density:	<b>1.14 g/cm<sup>3</sup>.</b>
Solubility:	<b>Soluble in Chloroform.</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>

Test	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.**

