



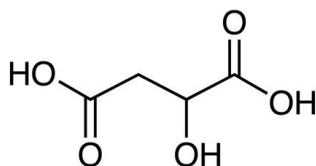
## Certificate of Analysis.

### DL-Malic acid reference standard, Anstan®.

Product Code:	<b>BS14024.</b>
Description:	<b>DL-Malic acid reference standard, Anstan®.</b>
Chemical Name:	<b>DL-Apple Acid.</b>
Pack:	<b>5 gm.</b>
CAS NO.:	<b>6915-15-7.</b>
Mol. Weight:	<b>134.09 g/mol.</b>
Mol. Formula:	<b>C<sub>4</sub>H<sub>6</sub>O<sub>5</sub>.</b>
MDL Number:	<b>MFCD00064212.</b>
Melting point:	<b>130 °C.</b>
Boiling Point:	<b>167.16°C.</b>
Density:	<b>1.6 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>

Test	Specification	Measured Values
Appearance:	White to Almost white powder to crystal.	<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>
Assay by titration:	>99.5%.	<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.**

