



## CERTIFICATE OF ANALYSIS

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|--------------|--|
| Product      | Glycerol                                     |
| Grade        | Biotech                                      |
| Product Code | GB0232                                       |
| Formula      | C <sub>3</sub> H <sub>8</sub> O <sub>3</sub> |
| MW           | 92.09  |
| CAS#         | 56-81-5                                      |
| Lot NO       |  |

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| Test Items                                  | Specifications                                  | Result |
|---|---|--------|
| Appearance                                  | Colorless to almost colorless<br>Viscous liquid |        |
| Purity(Anhydrous)                           | ≥99.0%  |        |
| Colour (APHA)                               | ≤10   |        |
| Residue on ignition                         | ≤0.005%   |        |
| Neutrality                                  | Passes test                                     |        |
| Chlorinated compounds                       | ≤0.003%   |        |
| Sulfate                                     | ≤0.001%   |        |
| Acrolein, glucose and ammonium<br>compounds | Passes test                                     |        |
| Fatty acid esters (as butyric acid)         | ≤0.05%  |        |
| Substances darkened by sulfuric acid        | Passes test                                     |        |
| Heavy metals (as Pb)                        | ≤2ppm   |        |
| Water (coulometric KF)                      | ≤0.5%   |        |

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Storage: RT.