

Product Specification Sheet



Product Code	: BUF-1120
Identifier	: Glycerol
Grade	: Biotechnology
Appearance	: Clear, colourless viscous liquid
Molecular Formula	: C ₃ H ₅ (OH) ₃
Molecular Weight	: 92.09 g/mol
Product Description	: Commonly used in sample preparation and gel formation for polyacrylamide gel electrophoresis.
Storage Condition	: Store at room temperature.

<u>Assay:</u>	<u>Specification:</u>
Purity	≥ 99 %
pH (10% aqueous solution)	6.0 – 8.0
Calcium (Ca)	≤ 5 ppm
Chloride (Cl)	≤ 0.0005 %
Color	≤ 10 APHA
Copper (Cu)	≤ 0.5 ppm
Esters of fatty acids	≤ 0.08 %
Fatty acids	PASS
IR	PASS
Iron (Fe)	≤ 1 ppm
Lead (Pb)	≤ 0.5 ppm
Magnesium (Mg)	≤ 2 ppm
Potassium (K)	≤ 5 ppm
Reducing substances	PASS
Residue after ignition	≤ 0.005 %
Sodium (Na)	≤ 20 ppm
Total phosphorus (P)	≤ 2 ppm
Total silicon (Si)	≤ 2 ppm
Total sulfur (S)	≤ 5 ppm
Water	≤ 0.5 %
Zinc (Zn)	≤ 2 ppm

Axil Scientific Pte Ltd

41 Science Park Road, #04-08 The Gemini, Singapore Science Park II, Singapore 117610
Tel: +65-6775 7318 Fax: +65-6775 7211 Email: info@axilscientific.com
Website: www.axilscientific.com