

# Product Specification Sheet



**Product Code:** BIO-1101  
**Identifier:** D-glucose, Anhydrous  
**Grade:** ACS Grade  
**Appearance:** Fine white powder  
**Molecular Formula:**  $C_6H_{12}O_6$   
**Molecular Weight:** 180.16 g/mol  
**Description:** Not Applicable  
**Storage Condition:** Store between 20°C - 25°C. Protect from moisture.  
**Additional Info:** Not Applicable

Assay:	Specification:
Solubility in water	Clear to almost clear
Specific Rotation [ $\alpha$ ] 20/D	+52.6 - +53.2°
Loss on drying	< 1.0 %
Residue on ignition (sulfate)	< 0.1 %
Acids (as CH <sub>3</sub> COOH)	< 0.007 %
Chloride (Cl)	< 0.02 %
Sulfate (SO <sub>4</sub> )	< 0.025 %
Heavy metals (as Pb)	< 5 ppm
Arsenic (As)	< 1 ppm
Dextrin, starch and sulfite	PASS

## Axil Scientific Pte Ltd

2 Tukang Innovation Grove, #06-01 JTC MedTech Hub, Singapore 618305  
Tel: +65-6775 7318 Email: [custcare@axilscientific.com](mailto:custcare@axilscientific.com)  
Website: [www.axilscientific.com](http://www.axilscientific.com)