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Product Specifications

Catalogue Number	00159
Product	Glutathione reduced form γ -L-Glutamyl-L-cysteinylglycine
CAS Number	70-18-8
Molecular Formula	C ₁₀ H ₁₇ N ₃ O ₆ S
Molecular Weight	307.33

Appearance	White crystalline powder
Clarity & Color	Clear and colorless solution (0.1 g/mL in water)
Anion	Chloride (Cl ⁻) : $\leq$ 200 ppm Sulphates (SO ₄ ²⁻) : $\leq$ 300 ppm
Cation	Arsenic (As) : $\leq$ 2 ppm Ammonium (NH ₄ ⁺) : $\leq$ 200 ppm Iron (Fe) : $\leq$ 10 ppm
Optical Rotation	[α] _D ²⁰ = -15.5 to -17.5 °
Loss on Drying	$\leq$ 0.5% (105 °C, 3h)
Related Substances	Individual impurity : $\leq$ 1.5% Total impurities : $\leq$ 2%
Residue On Ignition	$\leq$ 0.1%
Assay	98 - 100% (on dry basis)
Grade	Meets USP specification
Storage	Store at 0 - 8 °C

For Laboratory Use Only