



Product Specification

Product Name: 4-Nitrophenyl- α -D- mannopyranoside
Cat #: N-360
CAS #: 10357-27-4
Storage: Store at -20°C. Protect from light.

Test	Specifications
Color	slightly off-white to yellow
Form	crystalline powder
Color of Solution (5% in DMF)	colorless to light yellow
Turbidity (0.5% in DMF)	max. 2.0 NTU
Water Content (K. Fischer)	max. 5.0%
TLC (10 mg in 1 mL methanol; butanol/acetic acid/water 3:1:1; UV 254 nm, sulfuric acid)	corresponds to reference material
Purity (TLC) (10 mg in 1 mL methanol; butanol/acetic acid/water 3:1:1; UV 254 nm, sulfuric acid)	min. 99 area-%
Impurity (p-nitrophenol; visual)	max. 0.02%
Specific Optical Rotation $[\alpha]_D$ (c = 0.5 in methanol, 20°C, on dry matter)	168.0 - 172.0
FT-IR Spectrum	corresponds to reference spectrum

GOLD BIOTECHNOLOGY, INC. provides this Product Specification in good faith. Specifications are subject to change.

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