



Product Specification

Product Name: 4-Nitrophenyl- α -D- galactopyranoside
Cat #: N-280
CAS #: 7493-95-0
Storage: Store at -20°C. Protect from light.

Test	Specifications
Color	white to off-white
Form	crystalline powder
Color of Solution (5% in water)	colorless to almost colorless
Turbidity (0.5% in water)	max. 2.0 NTU
Water Content (K. Fischer)	max. 1.0%
Melting Point	161 to 169°C
Specific Optical Rotation $[\alpha]_D$ (c = 1 in water, 20°C)	242.0 to 248.0
Purity (HPLC)	min. 99.0 area-%
TLC (50 mg in 1.5 ml water; butanol/acetic acid/water 3:1:1; UV 254 nm, sulfuric acid)	corresponds to reference material
Impurity (p-nitrophenol, HPLC)	max. 0.05%
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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