



Product Specification

Product Name: 4-Nitrophenyl- α -D- maltohexaoside
Cat #: N-330
CAS #: 74173-30-1
Storage: Store at -20°C. Protect from light.

Test	Specifications
Color	white to yellowish
Form	powder
Color of Solution (5% in water)	colorless to light yellow
Turbidity (5% in water)	≤ 2.0 NTU
Water Content (K. Fischer)	$\leq 4.0\%$
Purity (HPLC)	≥ 97.0 area-%
Impurity (4-NP-G5; HPLC)	≤ 1.5 area-%
Impurity (4-NP-G7; HPLC)	≤ 1.5 area-%
Sum of Unknown Impurities (HPLC)	≤ 0.5 area-%
Specific Optical Rotation $[\alpha]_D$ ($c=1$ in water, 20°C; calculated on dry matter)	219.0-225.0
Impurity (free p-NP; HPLC)	$\leq 0.1\%$
Impurity (2-propanol content; GC)	$\leq 5.0\%$
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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