



Product Specification

Product Name: Phenyl- β -D- galactopyranoside
Cat #: P-130
CAS #: 2818-58-8
Storage: Store at -20°C. Protect from light.

Test	Specifications
Color	white to off-white
Form	crystalline powder
Color of Solution (1% in water)	colorless
Turbidity (1% in water)	≤ 4.0 NTU
Loss on Drying (80°C, 3 hours, vacuum)	$\leq 7.5\%$
Specific Optical Rotation $[\alpha]_D$ (1% in water; calculated on dry matter)	-45.5 to -42.5
TLC (50 mg in 1.5 ml ethanol; butanol/acetic acid/water 3:1:1; UV 254 nm, sulfuric acid)	corresponds to reference material
Purity (TLC) (butanol/acetic acid/water 3:1:1; UV 254 nm, sulfuric acid)	≥ 99 area-%
FT-IR Spectrum	corresponds to reference spectrum
$^1\text{H-NMR}$ Spectrum	corresponds to assigned structure
$^{13}\text{C-NMR}$ Spectrum	corresponds to assigned structure

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

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