Catalog Number M1489MP

Product Name 4-methylumbelliferyl β-D-galactopyranoside (MUG)

CAS Number / Name 6160-78-7 / 2H-1-Benzopyran-2-one, 7-(β-D-galactopyranosyloxy)-4-methyl-

Appearance colorless solid Lot Number 1450847

	LOT DATA	SPECIFICATION
Absorption ¹		
Maximum	317 nm	316 ± 3 nm
Extinction	14300 cm ⁻¹ M ⁻¹	14500 ± 1000 cm ⁻¹ M ⁻¹
Fluorescence ¹		
Emission Maximum	375 nm	374 ± 4 nm
HPLC		
Purity	99 % at 254 nm	≥ 95 % at 254 nm
NMR		
Result	meets specification	consistent with structure
Miscellaneous Information		
Material Lot Number	73479323	N/A

^{1.} Solvent: Buffer, 50 mM potassium phosphate (pH 9).

Betty Wood

Betty Wood, Quality Assurance Manager

08-Jul-2013

Life Technologies Corporation, on behalf of its Invitrogen business, Molecular Probes® labeling and detection technologies, certifies on the date above that this is an accurate record of the analysis of the subject lot and that the data conform to the specifications in effect for this product at the time of analysis.