



CERTIFICATE OF ANALYSIS

Product	MU-alpha-GAL
Grade	Ultra Pure
Product Code	MB1135
Formula	$C_{16}H_{18}O_8 \cdot H_2O$
MW	356.3
CAS#	38597-12-5
Lot No	

Test Items	Specifications	Results
Appearance	white to Pale Cream Powder or Needles	
Purity (TLC)	$\geq 98\%$	
Solution Test	2.5% Solution in Acetone/water 1:1 v/v	
Water Content	4.5-6.5%	
4-Methylumbelliferone	$\leq 25\text{ppm}$	
Specific Rotation	$+233^\circ - +243^\circ$	
Identity	FTIR Concordant	

Storage: -20°C