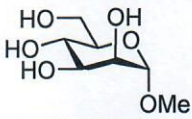




济南山目生物医药科技有限公司
Jinan Samuel Pharmaceutical Co., Ltd

Certificate of Analysis

Product Name	Methyl α -D-Mannopyranoside 甲基- α -D-吡喃甘露糖苷
CAS No.	617-04-09
Structure	
Manufacture date	2019.2.15
Batch No.	Sam-79-6910-17
Quantity	25 kg

Analysis Items	Specification	results
Appearance	White to light brown powder	White powder
Purity (%)	$\geq 98\%$ by HPLC	99%
Specific Optical rotation $[\alpha]_D^{20}$ (c=1 in water)	+77 - +81	+80.5
^1H NMR	Conforms to structure	Conforms
Conclusion	The product analytical results comply with the specification	

Analyst: 孙春妍



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