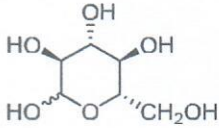




济南山目生物医药科技有限公司
Jinan Samuel Pharmaceutical Co., Ltd

Certificate Of Analysis

Product Name	(2S,3R,4S,5S)-2,3,4,5,6-pentahydroxyhexanal
CAS No.	921-60-8
Structure	
Chemical Formula	C ₆ H ₁₂ O ₆
Molecular Weight	180.16
Manufacture date	2018.04.08
Batch No.	Sam07-4395-18

Analysis Items	Specification	results
Appearance	Light yellow powder	White Powder
Purity (%)	≥99% by HPLC (ELSD)	100%(HPLC, ELSD)
Specific Optical rotation [α] _D ²⁰ (Concentration:c=1 to 4 in water)	-53 to -51°	-51°
Solubility 50mg/ml in water	Colorless, Clear (<3.5NTU)	Colorless, Clear (NTU=2.3)
MS	Conforms to structure	Conforms
¹ H NMR	Conforms to structure	Conforms
Conclusion	The product analytical results comply with the specification	

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Director: 唐丽娟



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