

Certificate of Analysis

Date of Testing: 2024-10-25 17:49:28
Date of Next Testing: 2028-10-24 17:49:28
Product Name: **D-Fructose**
CAS Number: 57-48-7
Specifications & Purity: for cell culture, $\geq 99\%$
Lot #: J2424300
SKU #: **F108335**
Version: **0**
Analysis #: **367665**
Storage Temperature: Room temperature, Argon charged, Desiccated

Parameter	Limit Values	Result
Glucose	0-0.05 (%)	0.01 %
Purity(HPLC)	99-100 (%)	99.69500 %
Specific Rotation $[\alpha]_{20/D}(c=5 \text{ in H}_2\text{O})$	-91.3--87.7 ($^{\circ}$)	-87.97 $^{\circ}$
Appearance (F108335)	white powder to crystals	white powder to crystals
Solubility in H ₂ O , 200mg/4ML	pass	Pass
Cell Culture Test	pass	Pass
Insect cell culture test	pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure



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