



Zhengzhou Yuanli Biological Technology Co., Ltd.

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Certificate of Analysis

质量分析单

Product Name: Pullulan		Batch No.: 20210319
CAS No.: 9057-02-7		Quantity: 2000kg
Manufacturing Date: 03/19/2021		Expired Date: 03/18//2023
Sampling Date: 03/20/2021		Report Date: 03/24/2021
Test Items	Requirements	Results
Appearance	White to almost white powder	Complies
Identification	Should meet the requirements	Complies
Viscosity	100-180 mm ² /s	117mm ² /s
pH	4.5-6.5	6.46
Monosaccharides, disaccharides and oligosaccharides	≤10.0%	1.21%
Nitrogen	≤0.05%	<0.05%
Loss on drying	≤6.0%	1.91%
Residue on ignition	≤0.3%	<0.3%
Lead	≤2.0mg/kg	<2.0mg/kg
Total bacteria count	≤100cfu/g	<100cfu/g
Yeast & mold	≤100cfu/g	<100cfu/g
Conclusion	The product complies with USP	
Checker: Yunxiang Han	Rechecker: Jin Jin  检验专用章	Supervisor: Xuezhe Han