



Xi'an Green Spring Technology Co.,Ltd

Certificate of Analysis

Product Name	Polyglutamic Acid	Expiration Date	Jun. 14, 2025
Batch Number	LYJK210715	Manufacture Date	Jun. 15, 2023
Batch Quantity	1000KG	Report Date	Jun. 17, 2023

Items	Specification	Results
Appearance	White or off white powder	Conforms
Assay(HPLC)	$\geq 99\%$	99.5%
Loss on drying(105°C,2h)	$\leq 8\%$	4.66%
Molecular weight	$\geq 700,000\text{Da}$	1,100,000Da
Transmittance(5g/L, AQ, 400nm)	$\geq 95\%$	95.8%
PH Value(10g/L, 25°C)	5.0-7.5	6.54
Heavy metals(Pb)	$\leq 20\text{mg/kg}$	Conforms
Total plate count	$\leq 100\text{CFU/g}$	Conforms

Conclusion	Conform with specification
Storage	Store in cool & dry place.Keep away from strong light and heat.
Shelf life	2 years when properly stored

Quality Assurance: Liang Yan

