



XI'AN JULONG BIO-TECH CO.,LTD

Address:FULI BAILU BAY ,BAQIAO DISTRICT ,XI'AN,SHAANXI
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Certificate of Analysis--Polyglutamic Acid

Product Name	Polyglutamic Acid	Batch No	JL-20201124
Quantity	10KG	Analysis Date	Nov.,25th,2020
Mfg. Date	Nov.,24th,2020	Exp. Date	Nov.,23th,2022
Package	25KG per drum	Standard	USP/UP

Description	White powder	Complies
Identification	IR	Complies
Test	HPLC	Complies
Heavy metal	$\leq 10\text{ppm}$	5ppm
Pb	$\leq 3\text{ppm}$	1.5ppm
Hg	$\leq 0.1\text{ppm}$	0.05ppm
Cd	$\leq 1\text{ppm}$	0.2ppm
Loss on drying	$\leq 0.5\%$	0.12
Residue on Ignition	$\leq 0.1\%$	0.03
Single impurity	$\leq 0.5\%$	0.12
Total impurity	$\leq 1.0\%$	0.29
Total bacteria	$\leq 1000\text{cfu/g}$	<1000
Yeast and Mould	$\leq 1000\text{cfu/g}$	<1000
E.coli/25g	Absent	Absent
Salmonella/25g	Absent	Absent
Assay	$\geq 99.0\%$	99.4%

QC MANAGER: 董卓

INSPECTOR: 张赞

ANALYST: 王胜利

