



Wuhan HengHeDa Pharm Co., Ltd

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Wuhan Economic& Technological Development Zone, Wuhan, China

CERTIFICATE OF ANALYSIS

Product name	Gamma Polyglutamic Acid, sodium form	Batch NO.	HHD20220310
Quantity	100KG	CAS	28829-38-1
Production date	2022-03-10	Expiry Date	2024-03-09
Test based on enterprise standard			
Test Item	Specification	Result	
Appearance	Pale yellow powder	Conform	
PH	5.0-7.5	6.8	
Heavy metals	≤ 10 ppm	1.0ppm	
Assay (HPLC)	r-PGA $\geq 95.0\%$	96.7%	
Loss on drying(13°C x60min)	$\leq 5\%$	2%	
Clarity and color or solution (4%water)	Transparent	Conform	
E.Coli and Salmonella	Negative	Negative	
Particle size	100%through 80mesh	Conform	

Storage	Store in cool & dry place, keep away from strong light and heat.
Shelf life	2 years when properly stored.
Conclusion: This product complies with above specification.	

Inspector

Shen Wu

Director

King Yang

