



ZHENGZHOU OPAL BIOTECH. LIMITED.

Focus on Gums and Hydrocolloids...

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CERTIFICATE OF ANALYSIS

Gellan Gum (Low Acyl)

Product: Gellan Gum Type Code.: BJ-GE101N Report Date: AUG. 15, 2025
Lot. No.: 2025060106 MFG. Date: JUN. 01, 2025 EXP. Date: MAY 31, 2027

Items	Standard	Result
Appearance:	White Powder.	CONFORM.
*Odor:	Typical.	CONFORM.
Gellan Gum Content:	85.0%—108.0%	CONFORM.
*Assay (as CO ₂ content on dry basis):	3.3%-6.8%	CONFORM.
*Gel Strength:	≥ 900g/cm ²	1308g/cm ²
*Transparency:	≥ 85%	87.55%
Particle Size:	60Mesh Through ≥ 95%	100.00%
Ash:	≤ 15.0%	9.50%
Loss on Drying:	≤ 15.0%	9.60%
pH(0.5% Solution):	5.0—8.0	6.3
*Identification :	Pass Test.	PASS.
*Suspension Test:	Pass Test.	PASS.
*Viscosity (0.05%):	/	-
Total Plate Counts:	≤ 10000CFU/g	550CFU/g
Yeasts and Moulds:	≤ 300CFU/g	< 100CFU/g
*E. Coli:	0/5g	0/5g
*Salmonella:	0/10g	0/10g
Coliforms Group:	≤ 30MPN/100g	<30MPN/100g
Lead:	≤ 2.0mg/kg	CONFORM.
Mercury:	≤ 1.0mg/kg	CONFORM.
Arsenic:	≤ 2.0mg/kg	CONFORM.
Cadmium:	≤ 1.0mg/kg	CONFORM.
Total Nitrogen:	≤ 3.0%	CONFORM.
Residue of Ethanol:	≤ 750mg/kg	CONFORM.
*Isopropyl Alcohol:	≤ 750mg/kg	CONFORM.
Soya Trace:	≤ 2.5mg/kg	CONFORM.
Metal Detection Limits:	Fe:2.5mm;NON-Fe:3.0mm; S/S:3.0mm.	PASS.
Total Batch Qty.:	郑州欧宝生物科技有限公司 ZHENGZHOU OPAL BIOTECH. LIMITED	
Remark:		

ANALYST: WANG JING

REVIEW: WANG, Lina

CHECKER: LIU, YIWEN