ROOTLAB

Certificate of Analysis

No. RTL-COA-GGHA-32251041

PRODUCT	BATCH NUMBER	SPECIFICATION
Rootlab Gellan Gum HA (high acyl) · RTLGGHA	**32251041**	**RTL-SPEC-GGHA v1.0**

PRODUCTION DATE	TEST DATE	REPORT DATE	EXPIRY DATE
20 Jun 2026	**20 Jun 2026**	**25 Jun 2026**	**19 Jun 2028**

PARAMETER	UNIT	SPECIFICATION	RESULT
PHYSICAL AND CHEMICAL			
Appearance		Off-white powder	**Pass**
Identification		Passes test	**Pass**
Purity, gellan gum content	%	85.0 to 108.0	**98.3**
Assay as CO_2 (dried basis)	%	3.3 to 6.8	**5.324**
pH (0.5% in deionised water)		4.5 to 7.0	**6.36**
Gel strength	g/cm²	For information	**576**
Particle size (through 60 mesh)	%	≥90	**98.5**
Loss on drying	%	≤15.0	**6.44**
Residual 2-propanol (IPA) or ethanol	mg/kg	≤750	**700**
Total nitrogen	%	≤3	**<3**
Suspension		Passes test	**Pass**
HEAVY METALS			
Lead (Pb)	mg/kg	≤2	**<2**
Heavy metals (as Pb)	mg/kg	≤20	**<20**
Arsenic (As)	mg/kg	≤2	**<2**
Cadmium (Cd)	mg/kg	≤1	**<1**
Total mercury (Hg)	mg/kg	≤1	**<1**
MICROBIOLOGICAL			
Total plate count	cfu/g	≤10,000	**1,900**
Yeasts and moulds	cfu/g	≤400	**<100**
Coliforms	MPN/100 g	≤30	**Not detected**
Salmonella		Not detected in 25 g	**Not detected**
E. coli		Not detected in 5 g	**Not detected**

Results are from the manufacturer's quality control analysis of this batch.

Conclusion: complies

This batch complies with RTL-SPEC-GGHA v1.0.

Spatni

Authorised signature

25 Jun 2026

Date

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