



PMP FERMENTATION PRODUCTS, INC.
900 NE ADAMS STREET - PEORIA, ILLINOIS 61603
309-637-0400 - FAX 309-637-9302

CERTIFICATE OF ANALYSIS

Product Description: GLUCONO DELTA LACTONE 25 KG SG **SO #:** XXXXXXXXXX
PMP Item Code: 82114
Lot Number: 421832

Test	Specification	Result
Identification	Passes Test	Passes Test
Arsenic	0 - 1 ppm	0
Heavy Metals (as Pb)	10 ppm Max	10 ppm Max
Lead	0 - 1 ppm	0
Reducing Substances	0 - 0.5 %	0.00
Assay	99 - 100.5 %	100.0
Loss on Drying	0 - 0.2 %	0.00
pH (1% Sol'n) after 2 hours	2 - 3	2.6
Residue on Ignition	0 - 0.1 %	0.0
Particle Size, 250 micron	50 - 100 %	84.0
Appearance	White to Off White Granules or Powder	White to Off White Granules or Powder
Total Viable Count	0 - 50 CFU/g	0
Yeasts	0 - 10	0
Molds	0 - 10 CFU/g	0
E. coli	Absent in 10 g	Absent in 10 g
Salmonella	Absent in 25 g	Absent in 25 g
Country of Manufacture	Roquette Italia SpA Cassano Italy	Roquette Italia SpA Cassano Italy
Date of Manufacture:		06/18/2022
Date of Expiration:		06/17/2024

I certify that this product has been tested in the laboratories of PMP Fermentation Products and complies with the requirements applicable regulatory compendia.

Scot Whetsell
Quality Assurance Manager