



SUZHOU NUTRIBUTE BIOTECHNOLOGY CO.LTD

To: Surfactan S.A

AG-312-100

Product Name: Glucono Delta Lactone USP
Manufacture Date: Sept 2, 2022

Batch No.:20220902 ✓
RE-Test Date: Sept 1, 2024

CERTIFICATE OF ANALYSIS

Items of analysis	Specification	Result
Description	Colorless crystals or white powder	Conforms
Identification	Positive	Conforms
Solubility	Easily soluble in water, hard soluble in ethanol	Conforms
Mercury	0.1ppm Max.	NONE
Melting Point	152°C ± 2°C	151.0°C
Heavy Metals	0.002% Max.	<0.002%
Loss on drying	1.0% Max.	<0.3%
Moisture	0.5% Max.	0.07%
Lead	0.001% Max.	<0.0003%
Cadmium	2ppm Max.	NONE
Reducing substances	Positive	Conforms
Arsenic	1ppm Max.	<1ppm
Chloride	0.05% Max.	<0.003%
Calcium	0.05% Max.	<0.01%
Sulphate	0.02% Max.	<0.005%
Sulphate Ash	0.1% Max.	<0.1%
Assay	99.0%~101.0%	100.4%
pH Value(1% Solutions)	1.5-1.8	Comforms

Conclusion: Corresponding to the requirements of USP35.

REF: PT-25027-100 Lote

315972

For and on behalf of
SUZHOU NUTRIBUTE BIOTECHNOLOGY CO., LTD

Authorized Signature(s)

APPROBADO
AG-312-100
Lote: 305524