

To: Surfactan S.A.

Product Name: Glucono Delta Lactone USP

Batch No.: 20240605

Manufacture Date: June 05, 2024

Retest Date: June 04, 2026

Revalidation Date: June 04, 2027

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%	100.07%
pH Value(1% Solutions)	1.5-1.8	Comforms

Conclusion: Corresponding to the requirements of USP35.

APROBADO

AG-312-100

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23/09/24

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



Authorized Signature(s)