

Chem-Impex International, Inc.

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825 Dillon Drive

Wood Dale, IL 60191

Certificate of Analysis

Catalogue Number	32307
Product	Zinc gluconate hydrate
Lot Number	000514-29608030 Gluconic acid Zinc(II) salt hydrate
CAS Number	4468-02-4
Molecular Formula	C ₁₂ H ₂₂ O ₁₄ Zn•H ₂ O
Molecular Weight	455.69 (anhy)

Appearance	White to off-white powder
Anion	Chloride : < 0.05% Sulfate : < 0.05%
Cation	Arsenic (as As) : 0.10 ppm Cadmium : 0.01 ppm Lead : 0.06 ppm
Water Content (Karl Fisher)	9.2%
pH	6.4
Yeast and Mold	< 100 cfu/g
Reducing Substances	0.03%
Residual Solvents	Conforms to USP standard
Coliform Organisms	Negative
Microbial Count	< 1000 cfu/g (Aerobic Plate Count)
Mesh Size	100% through 18 mesh
Assay	101.6%
Assay (as is)	13.2% (Zinc content)
Grade	USP
Storage	Store at RT
Country of Origin	USA

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Lot Number: 000514-29608030

Remarks

See material safety data sheet for additional information

For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier

A handwritten signature in black ink, appearing to read 'Bala Kumar', with a stylized flourish at the end.

Bala Kumar
Quality Control Manager