

# LIAOYANG FUQIANG FOOD CHEMICAL CO., LTD.

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## CERTIFICATE OF ANALYSIS

Product: Zinc Gluconate Dihydrate USP Powder		Manufacturer's Lot#: 20131202	
Quantity:1000kg	Manufacturing date: Dec. 02, 2013	Expiry date: Dec. 01, 2017	Order#: 6983
REQUIREMENTS		SPECIFICATIONS	TEST RESULTS
Identification			
A		To pass test	Passes test
B		To pass test	Passes test
Assay		97.0-102.0%	101.1%
Zinc content ( as dihydrate)		12.90-13.56%	13.44%
Water		11.6% max.	8.0%
Chloride		0.05% max.	0.03%
Sulfate		0.05% max.	0.02%
Arsenic		3ppm max.	0.9ppm
PH		5.5-7.5	5.9
Reducing substances		1.0% max.	0.2%
Cadmium		2ppm max.	<2ppm
Lead		5ppm max.	<5ppm
Organic volatile impurities		Meets the requirements	Meets the requirements
Particle size			
Thru an 80 mesh		99% min.	Meets requirements
Microbial Limit			
Total aerobic count		1000/g max.	140/g
Molds-yeasts		100/g max.	20/g
E.Coli and Salmonella		Absent	Absent
OGM-EG	Regulations	-----	Absence
1829/2003-1830/2003			
Alimentary Use Suitability		-----	Presence
Radiation		-----	Has not been subjected to sanitization technologies with radiation referring in particular to "Gamma Rays treatment.
Allergens/Gluten-EC Directive89/2003		-----	Absence of Allergens referring in particular to Gluten
The schedules of Allergens		-----	Absent

Liaoyang Fuqiang Food Chemical Co., Ltd. verifies that the information contained herein is true and correct to the best of our knowledge.

Verified by:

Date: Dec. 10, 2013

Conversion Guide: 1ppm = 0.0001%

10ppm = 0.001%

100ppm = 0.01%

1000ppm = 0.1%