



豐榮精細化工有限公司  
GOLDEN HARVEST CHEMICAL CO LTD.

**CERTIFICATE OF ANALYSIS**

**Item: Zinc Gluconate**

**Product Name:** Zinc Gluconate  
**Quantity:** 4000 KG  
**Specification:** USP28

**Batch No.:** 20111229  
**MFG Date:** Dec.29, 2011  
**Expiry Date:** Dec.28, 2013

Items	Specifications	Results
<b>Description</b>	White crystal powder	Meets the requirements
<b>Identification</b>	Meets the requirements	Meets the requirements
<b>Organic volatile impurities</b>	Meets the requirements	Meets the requirements
<b>Reducing substances</b>	≤1.0%	< 0.15%
<b>PH</b>	5.5-7.5	6.18
<b>Assay(calculated on the anhydrous basis)</b>	97.0%-102.0%	99.65%
<b>Water</b>	≤11.6%	9.09%
<b>Chloride</b>	≤0.05%	< 0.01%
<b>Sulfate</b>	≤0.05%	< 0.01%
<b>Lead</b>	≤0.001%	< 0.001%
<b>Arsenic</b>	≤3ppm	< 3ppm
<b>Cadmium</b>	≤5ppm	< 5ppm
<b>Conclusion:</b> Complies with the requirements of the USP28.		

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