

## **CERTIFICATE OF ANALYSIS**

<b>Product Name</b>	Gluconolactone
<b>INCI Name</b>	Gluconolactone
<b>CAS#</b>	90-80-2
<b>Lot Number</b>	20231125
<b>Manufacture Date</b>	11/2023
<b>Re-test Date</b>	11/2025

<b>Parameter</b>	<b>Specifications</b>	<b>Results</b>
<b>Characteristics</b>	Colorless crystals	Conforms
<b>Identification</b>	Positive	Conforms
<b>Chloride</b>	$\leq 0.02\%$	$< 0.02\%$
<b>Sulfate</b>	$\leq 0.03\%$	$< 0.03\%$
<b>Reducing substances</b>	$\leq 0.5\%$	$< 0.5\%$
<b>Melting point</b>	$150^{\circ}\text{C} \sim 154^{\circ}\text{C}$	$153.6^{\circ}\text{C}$
<b>As</b>	$\leq 3 \text{ mg/kg}$	$< 3 \text{ mg/kg}$
<b>Pb</b>	$\leq 2 \text{ mg/kg}$	ND
<b>Loss on drying</b>	$\leq 1.0\%$	0.4%
<b>Assay</b>	$\geq 99.0\%$	Conforms

### **STABILITY AND STORAGE:**

Keep in tightly closed container in a cool and dry place, protected from sunlight.  
When stored for more than 24 months, quality should be checked before use.

**As it is electronically generated document, hence no signature required.**

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