

## Certificate of Analysis

Date of Testing: 2023-05-17 16:28:03  
Date of Next Testing: 2026-05-16 16:28:03  
Product Name: **Citric acid monohydrate**  
CAS Number: 5949-29-1  
Specifications & Purity: reagent grade,  $\geq 98\%$  (GC/T)  
Lot #: E23081071  
SKU #: **C433031**  
Analysis: **214301**

Parameter	Limit Values	Result
Water by Karl Fischer	0-10.5 (%)	8.98 %
Purity (Titration by NaOH)	98-102.5 (%)	100.14 %
Purity(GC)	98-100 (%)	98.43 %
Appearance(C433031)	Colorless or White Powder or Crystals	Colorless or White Powder or Crystals
Solubility in H <sub>2</sub> O , Colorless Clear 100 mg/ml	pass	Pass
NMR Spectrum 1H	Conforms to structure	Conforms to Structure



John Su  
QA & QC Manager