

# Certificate of Analysis

**Product Name:** SODIUM CITRATE MONOBASIC  
purum p.a., anhydrous, >= 99.0 % T

**Product Number:** 71498

**Batch Number:** BCBM1017V

**Brand:** Aldrich

**CAS Number:** 18996-35-5

**Formula:**  $\text{HOC}(\text{COONa})(\text{CH}_2\text{COOH})_2$

**Formula Weight:** 214.11

**Quality Release Date:** 05 NOV 2013

**Recommended Retest Date:** SEP 2019

TEST	SPECIFICATION	RESULT
APPEARANCE (COLOR)	COLORLESS OR WHITE	WHITE
APPEARANCE (FORM)	POWDER OR SOLID	POWDER
TITRATION (T) NAOH 0.1M	99.0 - 101.0 %	100.1 %
SOLUBILITY (COLOR)	COLORLESS	COLORLESS
SOLUBILITY (TURBIDITY)	CLEAR (< 3.5 NTU)	CLEAR (<3.5 NTU)
SOLUBILITY (METHOD)	WATER 50MG/ML	WATER 50MG/ML
PH	3.5 - 3.8	3.6
INFRARED SPECTRUM	CONFORMS TO STRUCTURE	CONFORMS
METAL TRACE ANALYSIS (ICP)	CORRESPONDS TO REQUIREMENTS	PASSED
CALCIUM (ICP)	≤ 50 MG/KG	< 50 MG/KG
CADMIUM (ICP)	≤ 50 MG/KG	< 50 MG/KG
COBALT (ICP)	≤ 50 MG/KG	< 50 MG/KG
COPPER (ICP)	≤ 50 MG/KG	< 50 MG/KG
IRON (ICP)	≤ 50 MG/KG	< 50 MG/KG
POTASSIUM (ICP)	≤ 100 MG/KG	< 100 MG/KG
NICKEL (ICP)	≤ 50 MG/KG	< 50 MG/KG
LEAD (ICP)	≤ 50 MG/KG	< 50 MG/KG
ZINC (ICP)	≤ 50 MG/KG	< 50 MG/KG

## Certificate of Analysis

<b>CHLORIDE (CL)</b>	≤ 50 MG/KG	< 50 MG/KG
<b>SULFATE (SO4)</b>	≤ 50 MG/KG	< 50 MG/KG



Dr. Claudia Geitner  
Manager Quality Control  
Buchs, Switzerland

Sigma-Aldrich warrants that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.