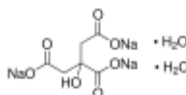


Certificate of Analysis

Product Name:

Sodium citrate tribasic dihydrate - puriss. p.a., ACS reagent, ≥99.0% (NT)

Product Number: 71405
Batch Number: BCCJ9244
Brand: SIAL
CAS Number: 6132-04-3
Formula: C₆H₅Na₃O₇ · 2H₂O
Formula Weight: 294,10 g/mol
Quality Release Date: 18 JAN 2023
Recommended Retest Date: JUN 2026



Test	Specification	Result
Appearance (Color)	Colorless or White	White
Appearance (Form)	Crystals	Crystals
Titration with HClO ₄	99.0 - 101.0 %	100.2 %
Solubility (Color)	Colorless	Colorless
Solubility (Turbidity)	Clear	Clear
0.5g in 10ml Water ACS		
PH of Solution (PH)	7.5 - 9.0	7.9
0.5g in 10ml Water ACS		
Water	11.0 - 13.0 %	11.9 %
Meets ACS Requirements	Corresponds to Requirements	Corresponds
ACS Specifications	Corresponds to Requirements	Corresponds
Insoluble Matter <= 0.005%		
Metal Trace Analysis (ICP)	Corresponds to Requirements	Pass
Calcium (Ca)	≤ 50 mg/kg	< 50 mg/kg
Cadmium (Cd)	≤ 5 mg/kg	< 5 mg/kg
Cobalt (Co)	≤ 5 mg/kg	< 5 mg/kg
Chromium (Cr)	≤ 5 mg/kg	< 5 mg/kg
Copper (Cu)	≤ 5 mg/kg	< 5 mg/kg
Iron (Fe)	≤ 5 mg/kg	< 5 mg/kg
Potassium (K)	≤ 50 mg/kg	< 50 mg/kg
Magnesium (Mg)	≤ 5 mg/kg	< 5 mg/kg
Manganese (Mn)	≤ 5 mg/kg	< 5 mg/kg
Nickel (Ni)	≤ 5 mg/kg	< 5 mg/kg

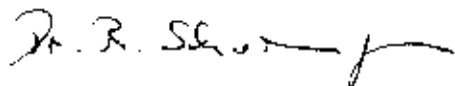
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Certificate of Analysis

Product Number: 71405
Batch Number: BCCJ9244

Test	Specification	Result
Lead (Pb)	≤ 5 mg/kg	< 5 mg/kg
Zinc (Zn)	≤ 5 mg/kg	< 5 mg/kg
Total Sulfur	≤ 50 mg/kg	< 50 mg/kg
as SO ₄ (ICP)		
Heavy Metal	≤ 5 mg/kg	< 5 mg/kg
Chloride (Cl)	≤ 10 mg/kg	< 10 mg/kg
Ammonia (NH ₄)	≤ 10 mg/kg	< 10 mg/kg
(Ion Chromatography)		



Dr. Reinhold Schwenninger
Quality Assurance
Buchs, Switzerland CH

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