

3050 Spruce Street, Saint Louis, MO 63103, USA

Website: [www.sigmaaldrich.com](http://www.sigmaaldrich.com)Email USA: [techserv@sial.com](mailto:techserv@sial.com)Outside USA: [eurtechserv@sial.com](mailto:eurtechserv@sial.com)

## Product Specification

**Product Name:**

Sodium citrate tribasic dihydrate - ≥98%

**Product Number:****C7254****CAS Number:**

6132-04-3

**MDL:**

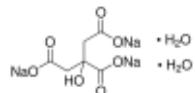
MFCD00150031

**Formula:**

C6H5Na3O7 · 2H2O

**Formula Weight:**

294.10 g/mol

**TEST****Specification**

Appearance (Color)

White

Appearance (Form)

Powder

Solubility (Color)

Colorless

Solubility (Turbidity)

Clear

100 mg/mL, H<sub>2</sub>O

Water (by Karl Fischer)

9.5 - 14.3 %

Proton NMR spectrum

Conforms to Structure

Sodium (Na)

21.1 - 24.6 %

Heavy Metals (as Lead)

&lt; = 5 ppm

Titration with HClO<sub>4</sub>

≥ 98 %

Purity (GC)

≥ 98 %

Recommended Retest Period

-----

5 years

Specification: PRD.0.ZQ5.10000046039

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.