

3050 Spruce Street, Saint Louis, MO 63103, USA

Website: www.sigmaaldrich.com

Email USA: techserv@sial.com

Outside USA: eurtechserv@sial.com

Certificate of Analysis

Product Name:

Strontium nitrate – ACS reagent, ≥99.0%

Product Number: 243426
Batch Number: MKCC8612
Brand: SIGALD
CAS Number: 10042-76-9
MDL Number: MFCD00011248
Formula: N2O6Sr
Formula Weight: 211.63 g/mol
Quality Release Date: 03 APR 2017



Test	Specification	Result
Appearance (Color)	White	White
Appearance (Form)	Crystals or Crystals with Chunks	Crystals
Crystals and/or Chunks		
X-Ray Diffraction	Conforms to Structure	Conforms
Complexometric EDTA	≥ 99.0 %	101.0 %
Loss on Drying	≤ 0.1 %	0.1 %
4 Hours, 105 Degrees Celsius		
Insoluble Matter	≤ 0.01 %	< 0.01 %
C= 10%, H2O		
Barium	≤ 0.05 %	< 0.01 %
Calcium (Ca)	≤ 0.05 %	< 0.01 %
Chloride Content	≤ 0.002 %	< 0.002 %
Iron (Fe)	≤ 5.0 ppm	< 1.0 ppm
Heavy Metals	≤ 5 ppm	1 ppm
by ICP-OE		
pH	5.0 - 7.0	5.8
C= 5%, H2O at 25 Degrees Celsius		
Magnesium (Mg)	≤ 0.10 %	< 0.01 %
Sodium (Na)	≤ 0.10 %	< 0.01 %
Sulfate (SO4)	≤ 0.005 %	< 0.005 %
Meets ACS Requirements	Current ACS Specification	Conforms

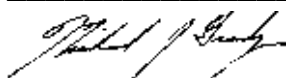
Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser 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.

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Michael Grady, Manager
Quality Control
Milwaukee, WI US

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