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Certificate of Analysis

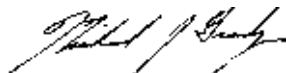
Product Name:

Lithium sulfate monohydrate - ACS reagent, ≥99.0% dry basis

Product Number: 398152
Batch Number: MKCB6005
Brand: SIGALD
CAS Number: 10102-25-7
MDL Number: MFCD00149766
Formula: Li₂O₄S · H₂O
Formula Weight: 127.96 g/mol
Quality Release Date: 02 NOV 2016



Test	Specification	Result
Appearance (Color)	White	White
Appearance (Form)	Powder or Crystals	Powder
Purity (Titration by NaOH)	≥ 99.0 %	100.0 %
X-Ray Diffraction	Conforms to Structure	Conforms
Loss on Drying 150 Degrees Celsius	13.0 - 15.0 %	14.2 %
Insoluble Matter	≤ 0.01 %	< 0.01 %
Chloride Content	≤ 0.002 %	< 0.002 %
Iron (Fe)	≤ 0.001 %	< 0.001 %
Heavy Metal	≤ 0.001 %	< 0.001 %
Potassium (K)	≤ 0.05 %	< 0.01 %
Sodium (Na)	≤ 0.05 %	< 0.01 %
Nitrate (NO ₃)	≤ 0.001 %	< 0.001 %
Meets ACS Requirements	Current ACS Specification	Conforms



Michael Grady, Manager
Quality Control
Milwaukee, WI US

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.