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Certificate of Analysis

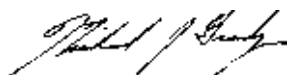
Product Name:

Lutetium(III) nitrate hydrate – 99.999% trace metals basis

Product Number: 542067
Batch Number: MKCD5082
 Brand: ALDRICH
 CAS Number: 100641-16-5
 MDL Number: MFCD00150421
 Formula: LuN3O9 · xH2O
 Formula Weight: 360.98 g/mol
 Quality Release Date: 28 JUL 2017

Lu(NO₃)₃ · xH₂O

Test	Specification	Result
Appearance (Color)	White	White
Appearance (Form)	Powder or Crystals	Crystals
ICP Major Analysis	Confirmed	Conforms
Confirms Lutetium Component		
Purity	Meets Requirements	Meets Requirements
99.999% Based On Rare Earth Analysis		
Trace Rare Earth Analysis	≤ 20.0 ppm	19.9 ppm
Silver (Ag)		5.8 ppm
Barium (Ba)		0.1 ppm
Calcium (Ca)		3.9 ppm
Sodium (Na)		1.1 ppm
Palladium (Pd)		4.0 ppm
Strontium (Sr)		1.4 ppm
Dysprosium (Dy)		0.9 ppm
Praseodymium (Pr)		10.4 ppm
Ytterbium (Yb)		8.6 ppm



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.