

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:

Nickel sulfide – 99.7% trace metals basis, – 150 mesh

Product Number: 343226
Batch Number: MKBX4005V
Brand: ALDRICH
CAS Number: 12035-72-2
MDL Number: MFCD00217044
Formula: Ni₃S₂
Formula Weight: 240.21 g/mol
Quality Release Date: 15 JAN 2016



Test	Specification	Result
Appearance (Color) Grey to Grey-Green or Dark Grey	Conforms to Requirements	Grey
Appearance (Form)	Powder	Powder
Gravimetric Analysis % Nickel With Dimethylglyoxime	≥ 64.6 %	69.5 %
Size -150 Mesh	Conforms	Conforms
ICP Major Analysis Confirms Nickel and Sulfur Components	Confirmed	Conforms
Purity 99.7% Based on Trace Metals Analysis	Meets Requirements	Meets Requirements
Trace Metal Analysis	≤ 4000.0 ppm	783.7 ppm
Aluminum (Al)		40.7 ppm
Barium (Ba)		2.6 ppm
Calcium (Ca)		36.6 ppm
Cobalt (Co)		236.9 ppm
Copper (Cu)		17.6 ppm
Iron (Fe)		44.2 ppm
Magnesium (Mg)		49.7 ppm
Manganese (Mn)		280.6 ppm
Sodium (Na)		7.8 ppm
Strontium (Sr)		0.2 ppm
Titanium (Ti)		1.4 ppm
Vanadium (V)		5.9 ppm

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.

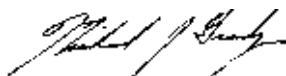
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Test	Specification	Result
Zinc (Zn)		57.8 ppm
Zirconium (Zr)		1.6 ppm



Michael Grady, Manager
Quality Control
Milwaukee, WI US

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