

Certificate of Analysis

Product Name:

Iron(II) sulfide 100 mesh, *PurReagent*, >99.9% trace metals basis

Product No.: PSR37661
Lot No.: Sample COA
Brand: PureSynth
CAS No.: 1317-37-9
Molecular Formula: FeS
Molecular Weight: 87.91 g/mol
Date of Mfg.: NA
Date of Exp.: NA

Test	Specification	Result
Appearance	Dark grey to brownish-grey to black powder	Very dark grey powder
Particle size distribution -100 Mesh	≥ 95.0 %	100 %
Titration by Na ₂ S ₂ O ₃ (%Fe)	61.5 – 65.5 %	63.7 %
Trace Metal Analysis	NMT 1500 ppm	556.60 ppm
Aluminum (Al)	-	9.1 ppm
Arsenic (As)	-	6.6 ppm
Boron (B)	-	0.9 ppm
Calcium (Ca)	-	22.7 ppm
Cadmium (Cd)	-	6.8 ppm
Chromium (Cr)	-	24.5 ppm
Copper (Cu)	-	51.3 ppm
Magnesium (Mg)	-	1.7 ppm
Manganese (Mn)	-	83.0 ppm
Molybdenum (Mo)	-	17.5 ppm
Sodium (Na)	-	6.1 ppm
Nickel (Ni)	-	39.1 ppm
Lead (Pb)	-	134.0 ppm
Platinum (Pt)	-	4.8 ppm
Antimony (Sb)	-	21.6 ppm
Tin (Sn)	-	18.9 ppm
Titanium (Ti)	-	0.4 ppm
Tungsten (W)	-	64.7 ppm
Zinc (Zn)	-	35.7 ppm
Zirconium (Zr)	-	7.2 ppm
Purity	Meets Requirements	Meets Requirements
99.9% based on Trace Metal Analysis		
Iron and Sulphur compounds (By ICP)	Conforms	Conforms

The Certificate of Analysis (COA) is valid only for the lot specified and within the product's shelf life. Retesting is recommended after the expiry date or if storage conditions are compromised. We guarantee a proper quality within our General Conditions of Sales. The conditions are subject to change without prior notice.
For queries on this COA, please contact our technical team at technical@pure-synth.com

Remarks:

This is to certify that the mentioned batch has been analysed at the time of quality release and has been found to be in compliance with prescribed specifications

The current Specification sheet may be available at www.pure-synth.com

Inspect on receipt

Storage Condition:

Store at room temperature and keep the container tightly closed

PureSynth Research Chemicals GmbH

This is electronically-generated copy & is valid without a signature

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