

Certificate of Analysis

Product Name:

Iron(II) sulfate heptahydrate, *PurReagent Plus*, meets analytical specification of EP, BP, USP, 99.5-104.5%

Product No.: PSR20757
Lot No.: Sample COA
Brand: PureSynth
CAS No.: 7782-63-0
Molecular Formula: $C_{14}H_{22}O_8$
Molecular Weight: 318.32 g/mol
Date of Mfg.: NA
Date of Exp.: NA

Test	Specification	Result
Appearance	Blue Green Solid	Blue Green Solid
Assay	99.5 - 104.5 %	100.5 %
pH (5 %, 20°C)	3.0 - 4.0	3.6
Arsenic (As)	NMT 2.0 ppm	<2.0 ppm
Calcium (Ca)	NMT 0.02 %	<0.02 %
Chromium (Cr)	NMT 50 ppm	<50 ppm
Chloride (Cl)	NMT 100 ppm	<100 ppm
Cobalt (Co)	NMT 25 ppm	<25 ppm
Copper (Cu)	NMT 30 ppm	<30 ppm
Heavy metals (as Pb)	NMT 0.005 %	<0.005 %
Iron (III)	NMT 0.2 %	<0.2 %
Lead (Pb)	NMT 2.0 ppm	<2.0 ppm
Magnesium (Mg)	NMT 0.02 %	<0.02 %
Manganese (Mn)	NMT 0.1 %	<0.1 %
Mercury (Hg)	NMT 1.0 ppm	<1.0 ppm
Nickel (Ni)	NMT 50 ppm	<50 ppm
Potassium (K)	NMT 0.002 %	<0.002 %
Sodium (Na)	NMT 0.01 %	<0.01 %
Zinc (Zn)	NMT 20 ppm	<20 ppm
Residual solvents	Complies	Complies

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 a 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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