64683 Einhausen Marie-Curie-StraBe. 3, Germany
Website: www.pure-synth.com
Phone: 1800-8908-260
Email: info@pure-synth.com

PureSynth®
Research Chemicals

Certificate of Analysis

Product Name:
Sodium nitroprusside dihydrate Pur*Reagent* Plus, ACS, Ph. Eur., ≥99%

Product No.:	PSR49683
Lot No.:	Sample COA
Brand:	PureSynth
CAS No.:	13755-38-9
Molecular Formula:	$Na_2[Fe(CN)_5NO] \cdot 2H_2O$
Molecular Weight:	297.95 g/mol
Date of Mfg.:	NA
Date of Exp.:	NA

Test	Specification	Result
Appearance	Dark violet crystalline powder	Dark violet crystalline powder
Assay	≥ 99.0 %	99.85 %
Water insoluble matter	NMT 0.01 %	0.001 %
Calcium (Ca)	NMT 10 ppm	<10 ppm
Cadmium (Cd)	NMT 5 ppm	<5 ppm
Chromium (Cr)	NMT 50 ppm	<50 ppm
Chloride (Cl)	NMT 100 ppm	<100 ppm
Cobalt (Co)	NMT 5 ppm	<5 ppm
Copper (Cu)	NMT 5 ppm	<5 ppm
Lead (Pb)	NMT 5 ppm	<5 ppm
Magnesium (Mg)	NMT 5 ppm	<5 ppm
Manganese (Mn)	NMT 5 ppm	<5 ppm
Nickel (Ni)	NMT 5 ppm	<5 ppm
Potassium (K)	NMT 3000 ppm	<3000 ppm
Sulfate (SO_4)	NMT 100 ppm	<100 ppm
Zinc (Zn)	NMT 50 ppm	<50 ppm
Hexacyanoferrate(II) ($[Fe(CN)_6]^{4-}$)	NMT 200 ppm	<200 ppm
Hexacyanoferrate(III) ($[Fe(CN)_6]^{3-}$)	NMT 100 ppm	<100 ppm

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

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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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