

Certificate of Analysis

Product Name:

Sodium nitroprusside dihydrate - puriss. p.a., ACS reagent, reag. Ph. Eur., ≥99%

Product Number: 71778

 $\text{Na}_2[\text{Fe}(\text{CN})_5\text{NO}] \cdot 2\text{H}_2\text{O}$

Batch Number: BCCJ2745

Brand: SIGALD

CAS Number: 13755-38-9

Formula: $\text{C}_5\text{FeN}_6\text{Na}_2\text{O} \cdot 2\text{H}_2\text{O}$

Formula Weight: 297,95 g/mol

Quality Release Date: 08 SEP 2022

Recommended Retest Date: AUG 2025

Test	Specification	Result
Appearance (Color)	Red to Very Dark Red and Red-Brown and Very Dark Red-Brown	
Appearance (Form)	Crystals or Crystals with Chunk(s) or Crystalline Chunks	Crystals
Titration with AgNO ₃	99.0 - 102.0 %	99.0 %
Meets ACS Requirements	Corresponds to Requirements	Corresponds
ACS Specifications	Corresponds to Requirements	Corresponds
Insoluble Matter < = 0.01%		
Calcium (Ca) (F-AAS)	≤ 10 mg/kg	< 10 mg/kg
Cadmium (Cd) (F-AAS)	≤ 5 mg/kg	< 5 mg/kg
Cobalt (Co) (F-AAS)	≤ 5 mg/kg	< 5 mg/kg
Chromium (Cr) (F-AAS)	≤ 50 mg/kg	< 50 mg/kg
Copper (Cu) (F-AAS)	≤ 5 mg/kg	< 5 mg/kg
Potassium (K) (F-AAS)	≤ 3000 mg/kg	< 3000 mg/kg
Magnesium (Mg) (F-AAS)	≤ 5 mg/kg	< 5 mg/kg
Manganese (Mn)	≤ 5 mg/kg	< 5 mg/kg

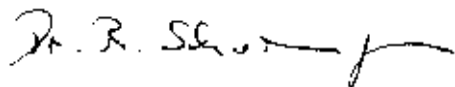
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Test	Specification	Result
Nickel (Ni) (F-AAS)	$\leq$ 5 mg/kg	< 5 mg/kg
Lead (Pb) (F-AAS)	$\leq$ 5 mg/kg	< 5 mg/kg
Zinc (Zn) (F-AAS)	$\leq$ 50 mg/kg	< 50 mg/kg
Chloride (Cl)	$\leq$ 100 mg/kg	< 100 mg/kg
Sulfate (SO ₄)	$\leq$ 100 mg/kg	< 100 mg/kg
Traces of Hexacyanoferrate (II)	$\leq$ 200 mg/kg	< 200 mg/kg
Traces of Hexacyanoferrate (III)	$\leq$ 100 mg/kg	< 100 mg/kg



Dr. Reinhold Schwenninger
Quality Assurance
Buchs, Switzerland CH

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