



CERTIFICATE OF ANALYSIS

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1. Identification

Catalogue Number: S648020

CAS Number: 13755-38-9

Product: Sodium Nitroprusside Dihydrate

Synonym: Pentacyanonitrosylferrate(2-) Disodium Dihydrate; (OC-6-22)-Pentakis(cyano-C)nitrosylferrate(2-) Disodium Dihydrate; Disodium nitroprusside dihydrate; Disodium pentacyanonitrosylferrate(2-) Dihydrate; SNP

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

Molecular Formula:

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

Molecular weight:

297.95

Source of Product:

N/A

Solubility:

Water (Slightly)

Lot Number: 1-NZH-131-1

Purity: 95%

Shipping Condition: This Product Is Stable To Be Shipped At Room Temperature

Storage Condition: 4°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	Dark Red to Very Dark Red Solid	Dark Red to Very Dark Red Solid
Elemental Analysis	Conforms	%C: 20.26, %H: 1.39, %N: 28.86
FT-IR	Conforms to Structure	Conforms
Sodium Content	Report Result	15.5%
Water Content	Report Result	12.5% by Karl Fischer

Additional Information: N/A

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of $\pm 2\%$. Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

4. Signatures

Reviewed By	Reviewed By	C of A Approved By	Test Date	Retest Date
Meenakshi Sharma	Toni Rantanen	Christina Gouliaras	7/28/2023	7/26/2027