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5-Nitro-1,10-phenanthroline,

$C_{12}H_7N_3O_2$ 225.20 CAS RN[®]: 4199-88-6.—White powder. Soluble in water.

MELTING RANGE (741): between 198° and 200°.

Suitability as Redox Indicator: Dissolve 25 mg in a minimum volume of diluted sulfuric acid, add 10 mg of ferrous sulfate, and dilute with water to 100 mL: the solution is deep red in color and exhibits an absorption maximum at 510 nm. To 1.0 mL of the solution add 1.0 mL of 0.01 M ceric sulfate: the red color is discharged.

Auxiliary Information - Please [check for your question in the FAQs](#) before contacting USP.

Topic/Question	Contact	Expert Committee
5-NITRO-1,10-PHENANTHROLINE	Margareth R.C. Marques Principal Scientific Liaison	HDQ Headquarters

Most Recently Appeared In:

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