

Status: Currently Official on 14-Feb-2025
Official Date: Official Prior to 2013
Document Type: Reagents
DocId: GUID-E4DCD742-C40C-4E6A-9711-E0E1C49397F2_1_en-US
DOI: https://doi.org/10.31003/USPNF_R1944_01_01
DOI Ref: 2f2b5

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***N,N*-Dimethyl-*p*-phenylenediamine Dihydrochloride,**

$(\text{CH}_3)_2\text{NC}_6\text{H}_4\text{NH}_2 \cdot 2\text{HCl}$ 209.12 CAS RN[®]: 99-89-9.—Nearly white, fine, crystalline, hygroscopic solid that may have a pinkish cast. Freely soluble in water; soluble in alcohol.

Assay: Transfer about 400 mg, accurately weighed, to a 250-mL beaker, and dissolve in about 75 mL of water. Titrate with 0.1 N sodium hydroxide VS, determining the endpoint potentiometrically. Each mL of 0.1 N sodium hydroxide is equivalent to 10.46 mg of $\text{C}_8\text{H}_{12}\text{N}_2 \cdot 2\text{HCl}$. Not less than 98% is found.

Solubility: A solution of 1 g in 10 mL of water produces not more than a slight haze.

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

Topic/Question	Contact	Expert Committee
N,N-DIMETHYL-P-PHENYLENEDIAMINE DIHYDROCHLORIDE	Margareth R.C. Marques Principal Scientific Liaison	HDQ Headquarters

Most Recently Appeared In:
Pharmacopeial Forum: Volume No.

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