

## 841– N,N-DIMETHYL-P-PHENYLENEDIAMINE SULPHATE

<b>Ref No:</b> TBL/QA/SS/LC/841	<b>STANDARD SPECIFICATION FOR N,N-DIMETHYL-P- PHENYLENEDIAMINE SULPHATE</b>	<b>Rev. No:</b> 03
<b>Issue No:</b> 04		<b>Review Date:</b> 01/11/2024
<b>Issue Date:</b> 02/11/2021		<b>Product code:</b> 841

### PRODUCT PROPERTIES

<b>C.A.S Number</b>	536-47-0
<b>Chemical Formula</b>	C <sub>8</sub> H <sub>14</sub> N <sub>2</sub> SO <sub>4</sub>
<b>Formula weight</b>	234.87
<b>Functional Uses</b>	N,N-Dimethyl-p-phenylenediamine sulfate salt was used: <ul style="list-style-type: none"> <li>• to investigate the role of H<sub>2</sub>S in cardioprotection induced by ischemic preconditioning in rat heart</li> <li>• in spectrophotometric determination of gold(III) in gold-pharmaceuticals such as sodium aurothiomaleate and auranofin.</li> </ul>
<b>Standard Packaging</b>	5 gm, 25 gm

### PHYSICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Appearance	Reddish to violet crystals.

### CHEMICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Assay	NLT – 98.0%

**NOTE:** Please consult the Material Safety Data Sheet for information regarding hazards and safe handling Practices.

