

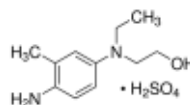
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## Product Specification

Product Name:  
N<sup>4</sup>-Ethyl-N<sup>4</sup>-(2-hydroxyethyl)-2-methyl-1,4-phenylenediamine sulfate salt - suitable for photographic applications

Product Number: **E4641**  
CAS Number: 25646-77-9  
MDL: MFCD00035563  
Formula: C<sub>11</sub>H<sub>20</sub>N<sub>2</sub>O<sub>5</sub>S  
Formula Weight: 292.35 g/mol



TEST	Specification
Appearance (Color)	White to Pink
Appearance (Form)	Powder
Solubility (Color)	Colorless to Pink
Solubility (Turbidity)	Clear
50 mg/mL, H <sub>2</sub> O	
Proton NMR Spectrum	Conforms to Structure
Carbon	44.1 - 46.3 %
Nitrogen	9.2 - 9.9 %
Purity (HPLC)	≥ 98 %

Specification: PRD.0.ZQ5.10000093540

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at [Sigma-Aldrich.com](http://Sigma-Aldrich.com). For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.