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## Product Specification

Product Name:  
Tetraethylenepentamine pentahydrochloride - 98%

**Product Number:** 375683  
**CAS Number:** 4961-41-5  
**MDL:** MFCD00083503  
**Formula:** C<sub>8</sub>H<sub>23</sub>N<sub>5</sub> · 5HCl  
**Formula Weight:** 371.61 g/mol



TEST	Specification
Appearance (Color)	White to Faint Yellow
Appearance (Form)	Powder
Infrared spectrum	Conforms to Structure
Titration by AgNO <sub>3</sub>	97.5 - 102.5 %
Titration by AgNO <sub>3</sub> % Cl	46.5 - 48.9 %
Purity (TLC)	≥ 98 %
Solubility (Turbidity) 25mg/ml, H <sub>2</sub> O	Clear
Solubility (Color)	Colorless to Faint Yellow

Specification: PRD.1.ZQ5.10000074640

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.