

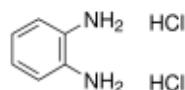
3050 Spruce Street, Saint Louis, MO 63103, USA

Website: [www.sigmaaldrich.com](http://www.sigmaaldrich.com)Email USA: [techserv@sial.com](mailto:techserv@sial.com)Outside USA: [eurtechserv@sial.com](mailto:eurtechserv@sial.com)

## Product Specification

Product Name:  
o-Phenylenediamine dihydrochloride - tablet, 30 mg substrate per tablet

Product Number: **P8412**  
CAS Number: 615-28-1  
MDL: MFCD00012966  
Formula: C<sub>6</sub>H<sub>8</sub>N<sub>2</sub> · 2HCl  
Formula Weight: 181.06 g/mol  
Storage Temperature: 2 - 8 °C



TEST	Specification
Appearance (Color)	White to Off-White
Appearance (Form)	Round Tablet
Diameter	1/4 inches
Total Tablet Weight	86.4 - 105.6 mg/tab
pH	4.8 - 5.2
Dissolution Time	≤ 5.00 min
Solubility (Color)	Colorless
Solubility (Turbidity)	Clear
Maximum Absorbance	0.600 - 0.800 OD
Lambda Max	287 - 291 nm
Background Absorbance	≤ 0.050 OD
Enzymatic Activity	85 - 115 %
when compared to untableted substrate	
Note	-----
pH test,dissolution time, and solubility are performed at 1 tablet in 10 mL, H <sub>2</sub> O.	
Recommended Retest Period	-----
2 years	

Specification: PRD.1.ZQ5.10000036056

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.