

3050 Spruce Street, Saint Louis, MO 63103, USA

Website: [www.sigmaldrich.com](http://www.sigmaldrich.com)

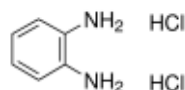
Email USA: [techserv@sial.com](mailto:techserv@sial.com)

Outside USA: [eurtechserv@sial.com](mailto:eurtechserv@sial.com)

## Product Specification

Product Name:  
o-Phenylenediamine dihydrochloride - tablet, 10 mg substrate per tablet

**Product Number:** P8287  
**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	5/32 inches
Total Tablet Weight	28.8 - 35.2 mg/tab
Solubility (Color)	Colorless
1 tablet in 10 mL of purified water	
Solubility (Turbidity)	Clear
1 tablet in 10 mL of purified water	
pH	4.8 - 5.2
1 tablet in 10 mL of purified water	
Dissolution Time	≤ 5.00 min
1 tablet in 10 mL of purified water	
UV/VIS Absorbance	0.600 - 0.800 OD
Absorbance Max	
1 tablet in 10 mL of purified water	
Lambda Max	287 - 291 nm
1 tablet in 10 mL of purified water	
Absorbance	< 0.05 OD
Background Absorbance Determination	
Activity	85 - 115 %
Activity when compared to untableted substrate	
Recommended Retest Period	-----
2 years	

Specification: PRD.2.ZQ5.10000007239

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.