

## Analytical Data Sheet

Lot number **1068774**  
not for drug use

Catalog number **Q-2445.0001**  
Product number **4028303.0001**  
Product **N- 1- Z- 1, 2- diaminoethane · HCl**  
Molecular formula **C<sub>10</sub>H<sub>14</sub>N<sub>2</sub>O<sub>2</sub> · HCl**  
Relative molecular mass **230.69**

Tests	Results								
Appearance	white crystals								
Appearance of solution	clear, colorless solution (50 mg/ml in methanol)								
Identification (elemental analysis)	<table><thead><tr><th>Theory</th><th>Found</th></tr></thead><tbody><tr><td>C = 52.1 %</td><td>C = 52.3 %</td></tr><tr><td>H = 6.6 %</td><td>H = 6.6 %</td></tr><tr><td>N = 12.1 %</td><td>N = 12.1 %</td></tr></tbody></table> <p>calc x 1 HCl (15.8 %)</p>	Theory	Found	C = 52.1 %	C = 52.3 %	H = 6.6 %	H = 6.6 %	N = 12.1 %	N = 12.1 %
Theory	Found								
C = 52.1 %	C = 52.3 %								
H = 6.6 %	H = 6.6 %								
N = 12.1 %	N = 12.1 %								
Identification (TLC)	complies with authentic material								
Purity (TLC)	> 99%								
TLC conditions	chloroform/methanol/acetic acid/H <sub>2</sub> O 70/42/0.5/10 chloroform/methanol/acetic acid/H <sub>2</sub> O 45/13/1/2 ethylacetate/pyridine/acetic acid/H <sub>2</sub> O 60/20/6/11 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, chlorine-tolidine								
Chloride content (titration)	15.3% (AgNO <sub>3</sub> )								

Latest update: November 23, 2016

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