

Analytical Data Sheet

Lot number

1023133

not for drug use

Catalog Number	Q-2475.0001
Product number	4028335.0001
Product	N- 1- Boc- 1, 4- diaminobutane · HCl
Molecular formula	C₉H₂₀N₂O₂ · HCl
Relative molecular mass	224.73

Tests	Results								
Appearance	white powder								
Appearance of solution	clear, colorless solution (50 mg/ml in MeOH)								
Identification (elemental analysis)	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 48.10 %</td> <td>C = 47.77 %</td> </tr> <tr> <td>H = 9.42 %</td> <td>H = 9.37 %</td> </tr> <tr> <td>N = 12.47 %</td> <td>N = 12.41 %</td> </tr> </table>	Theory	Found	C = 48.10 %	C = 47.77 %	H = 9.42 %	H = 9.37 %	N = 12.47 %	N = 12.41 %
Theory	Found								
C = 48.10 %	C = 47.77 %								
H = 9.42 %	H = 9.37 %								
N = 12.47 %	N = 12.41 %								
Identification (TLC)	conforms with authentic material								
Purity (TLC)	> 99%								
TLC conditions	chloroform/methanol/acetic acid/H ₂ O 70/42/0.5/10 ethylacetate/pyridine/acetic acid/H ₂ O 60/20/6/11 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine								
Assay (elemental analysis)	99.5% (Nth 12.47 %, Nfd 12.41 %)								
Chloride content (titration)	15.8% (AgNO ₃)								
Latest update: April 01, 2009	Analytical Data Sheet Lot number 1023133								