

Analytical Data Sheet

Lot number

1048041

not for drug use

Catalog Number	F-3605.0005
Product number	4029161.0005
Product	4- Amino- piperidine- 4- carboxylic acid hydrochloride salt
Molecular formula	C ₆ H ₁₂ N ₂ O ₂
Relative molecular mass	144.17

Tests	Results								
Appearance	white powder								
Appearance of solution	clear, colorless solution (50 mg/ml in water)								
Identification (ESI-MS)	m = 144.0u								
Identification (elemental analysis)	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 36.24 %</td> <td>C = 36.14 %</td> </tr> <tr> <td>H = 6.84 %</td> <td>H = 6.77 %</td> </tr> <tr> <td>N = 14.09 %</td> <td>N = 14.18 %</td> </tr> </table> <p>calc. as 1.5 HCl (27.5 %, Cl⁻ 26.7 %)</p>	Theory	Found	C = 36.24 %	C = 36.14 %	H = 6.84 %	H = 6.77 %	N = 14.09 %	N = 14.18 %
Theory	Found								
C = 36.24 %	C = 36.14 %								
H = 6.84 %	H = 6.77 %								
N = 14.09 %	N = 14.18 %								
Identification (TLC)	complies with authentic material								
Purity (TLC)	> 99%								
TLC conditions	n-butanol/acetic acid/H ₂ O 4/2/2 isopropanol/ammonia conc. 1/1 methanol/chloroform/ammonia 17% 2/2/1 plate: silicagel 60 F ₂₅₄ detected: UV, ninhydrin, chlorine-tolidine								
Assay (elemental analysis)	73.0% (Nth 19.43 %, Nfd 14.18 %)								

Latest update: May 03, 2013

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