

Analytical Data Sheet

Lot number

1007783

not for drug use

Catalog Number	Q-1330.0005
Product number	4011849.0005
Product	3- Methoxytyramine · HCl
Molecular formula	$C_9H_{13}NO_2 \cdot HCl$
Relative molecular mass	203.67

Tests	Results								
Appearance	light beige powder								
Appearance of solution	clear, colorless solution (50 mg/ml in H ₂ O)								
Identification (elemental analysis)	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 53.1 %</td> <td>C = 52.9 %</td> </tr> <tr> <td>H = 6.9 %</td> <td>H = 7.0 %</td> </tr> <tr> <td>N = 6.9 %</td> <td>N = 6.8 %</td> </tr> </table>	Theory	Found	C = 53.1 %	C = 52.9 %	H = 6.9 %	H = 7.0 %	N = 6.9 %	N = 6.8 %
Theory	Found								
C = 53.1 %	C = 52.9 %								
H = 6.9 %	H = 7.0 %								
N = 6.9 %	N = 6.8 %								
Identification (TLC)	complies with authentic material								
Melting point	216 ° C								
Purity (TLC)	> 99%								
Related impurities (TLC)	< < 0.5% NH ₂ NH ₂								
TLC conditions	chloroform/methanol/acetic acid/H ₂ O 70/42/0.5/10 chloroform/methanol/acetic acid 32% 5/3/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine, FeCl ₃								
Assay (elemental analysis)	99.7% (Cth 53.08 %, Cfd 52.93 %)								
Water content (KF volumetric)	0.2%								
Chloride content (titration)	17.4% (AgNO ₃)								
Latest update: September 30, 2013	Analytical Data Sheet Lot number 1007783								