

Analytical Data Sheet

Lot number

1047738

not for drug use

Catalog Number	P-1175.0005
Product number	4065417.0005
Product	MEGA- 12
Molecular formula	C₁₉H₃₉NO₆
Relative molecular mass	377.52

Tests	Results								
Appearance	white powder								
Appearance of solution	clear, colorless solution (50 mg/mL in methanol)								
Identification (elemental analysis)	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 60.5%</td> <td>C = 60.8%</td> </tr> <tr> <td>H = 10.4%</td> <td>H = 10.0%</td> </tr> <tr> <td>N = 3.7%</td> <td>N = 3.8%</td> </tr> </table>	Theory	Found	C = 60.5%	C = 60.8%	H = 10.4%	H = 10.0%	N = 3.7%	N = 3.8%
Theory	Found								
C = 60.5%	C = 60.8%								
H = 10.4%	H = 10.0%								
N = 3.7%	N = 3.8%								
Melting point	102 °C								
Purity (TLC)	> 99%								
TLC conditions	chloroform/methanol/acetic acid 32% 5/3/1 chloroform/methanol 8/2 chloroform/methanol/acetic acid/H ₂ O 45/13/1/2 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine, ammoniummolybdate								
Assay (elemental analysis)	100.6% (Cth 60.45%, Cfd 60.82%)								
Water content (KF volumetric)	0.2%								
Latest update: April 15, 2013									