

Analytical Data Sheet

Lot number **1000001060**
not for drug use

Catalog number **Q-1445.0025**
Product number **4039614.0025**
Product **Xylazine (free base)**
Molecular formula $C_{12}H_{16}N_2S$
Relative molecular mass 220.34

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in methanol)
Identification (ESI-MS)	m = 220.4u (average mass)
Identification (TLC)	complies with authentic material
Melting point	137.5 °C
Purity (TLC)	> 99%
TLC conditions	chloroform/methanol/acetic acid/H ₂ O 45/13/1/2 chloroform/methanol/acetic acid/H ₂ O 90/10/0.5/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine
Water content (KF volumetric)	0.1%

Latest update: June 19, 2018

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