

# Certificate of analysis



## Mephedrone metabolite (hydrochloride) ((±)-Ephedrine stereochemistry) 4-methyl- -[(1R)-1-(methylamino)ethyl]-benzenemethanol, monohydrochloride

Item number ....:14756  
Batch number :0451624  
Purity Specification.....>98%

Molecular Formula: C<sub>11</sub>H<sub>17</sub>NO • HCl  
CAS Number .....: 117342-78-6

Formula Weight: 215.70  
Expiry date .....: 9/23/2015

Tests	Specifications	Results
IR	Conforms with standard	Conforms
Mass	Source Type.....: APCI M-HCl	Expected 179.9 Actual 179.9
Melting Point	218 - 228 °C	221 - 223 °C
TLC	Mob. Phase.....: Chloroform:Methanol:Ammonium Hydroxide (9:7:2) Stationary Phase: Silica Gel Visualized With ..: Ninhydrin	Rf.....: 0.50 Purity % .....: 100.00
UV	max .....: 263, 213 nm	max .....: 263, 213 nm

Analyzed by: Ashley Macey

Approved by: Libby Perry