

# Certificate of analysis



## N,N-Dimethylcathinone (hydrochloride) 2-(dimethylamino)-1-phenyl-1-propanone, monohydrochloride

Item number ....:9001144  
Batch number :0438825  
Purity Specification.....: 98%

Molecular Formula: C11H15NO • HCl  
CAS Number .....: 10105-90-5

Formula Weight: 213.70  
Expiry date .....: 12/8/2015

Tests	Specifications	Results
HPLC	Column .....: C18, 5 $\mu$ , 4.6 X 250 mm Mob. Phase.....: Acetonitrilhe:Water:TFA (20:80:0.1) Flow Rate.....: 1.00 ml/min Detector UV .....: 210 nm	Retention Time Actual.: 5.80 min Purity .....: 100.0 %
IR	Conforms with standard	Conforms
Mass	Source Type .....: ESI M-HCl	Expected 178.0 Actual 178.1
Melting Point	192 - 210 °C (dec.)	205 - 210 °C (dec.)
TLC	Mob. Phase.....: Dichloromethane:Methanol (95:5) Stationary Phase: Silica Gel Visualized With ...: UV	Rf.....: 0.41 Purity % .....: 100.00
UV	max .....: 250 nm	max .....: 250 nm

Analyzed by: Jessie Schrot

Approved by: Libby Perry