NMS Labs
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Robert A. Middleberg, PhD, F-ABFT, DABCC-TC, Laboratory Director

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Demo Report

Report Issued 08/14/2017 08:20
Last Report Issued 06/23/2017 13:05

88888
Clinical Example Report
Attn: IT Department
3701 Welsh Road
Willow Grove, PA 19090

Patient Name 1021U-POS
Patient ID 1021U-POS
Chain 17001213
Age Not Given **DOB** Not Given
Gender Not Given
Workorder 17001213

Received 06/23/2017 13:00

Sample ID 17001213-001
Matrix Urine
Patient Name 1021U-POS
Patient ID 1021U-POS
Container Type Clear vial

Collect Dt/Tm Not Given
Source Not Given

Approx Vol/Weight Not Given

Receipt Notes None Entered

Analysis and Comments	Result	Units	Reporting Limit	Notes
1021U Substituted Cathinone Panel, Urine				
Analysis by High Performance Liquid Chromatography/Tandem Mass Spectrometry (LC-MS/MS)				
Pentylone	50	ng/mL	10	
Pentylone is a substituted cathinone that is sold recreationally as a novel psychoactive substance. Pentylone is a stimulant type drug, with effects similar to that of cocaine, with some additional activity at serotonin receptors. Synthetic cathinone users report psychological, cardiovascular, and neurological sympathomimetic symptoms, with effects ranging from tachycardia, vasoconstriction, seizures, agitation, aggression, and psychosis. Synthetic cathinones, including pentylone, are increasingly being detected in a range of forensic toxicology cases, including both human performance and postmortem cases.				
Ethylone	50	ng/mL	10	

Results for sample 17001213-001 are continued on next page

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Sample ID 17001213-001
Matrix Urine
Patient Name 1021U-POS
Patient ID 1021U-POS

Collect Dt/Tm Not Given
Source Not Given

Analysis and Comments	Result	Units	Reporting Limit	Notes
Ethylone is a substituted cathinone that is sold recreationally as a novel psychoactive substance. Ethylone is a stimulant type drug, with effects similar to that of cocaine, with some additional activity at serotonin receptors. Synthetic cathinone users report psychological, cardiovascular, and neurological sympathomimetic symptoms, with effects ranging from tachycardia, vasoconstriction, seizures, agitation, aggression, and psychosis. Ethylone is increasingly being detected in a range of forensic toxicology cases, including both human performance and postmortem cases.				
Butylone	50	ng/mL	10	
Butylone is a substituted cathinone that is sold recreationally as a novel psychoactive substance. Butylone is a stimulant type drug, with effects similar to that of cocaine, with some additional activity at serotonin receptors. Synthetic cathinone users report psychological, cardiovascular, and neurological sympathomimetic symptoms, with effects ranging from tachycardia, vasoconstriction, seizures, agitation, aggression, and psychosis. Synthetic cathinones, including butylone, are increasingly being detected in a range of forensic toxicology cases, including both human performance and postmortem cases.				
Dibutylone	50	ng/mL	10	
Synonym(s): bk-DMBDB				
Dibutylone is a substituted cathinone that is sold recreationally as a novel psychoactive substance. Butylone may be present due to being a potential metabolite of dibutylone; butylone itself is also considered a novel psychoactive substance. It has been identified in some 'bath salt' or 'research chemical' type products for euphoric and empathogenic effects. The drug is usually taken orally, but can also be insufflated or vaporized.				
N-Ethyl Pentylone	50	ng/mL	10	

Results for sample 17001213-001 are continued on next page

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Sample ID 17001213-001
Matrix Urine
Patient Name 1021U-POS
Patient ID 1021U-POS

Collect Dt/Tm Not Given
Source Not Given

Analysis and Comments	Result	Units	Reporting Limit	Notes
N-Ethyl Pentylone is a substituted cathinone structurally similar to pentylone. It is sold as a novel psychoactive substance. Due to its structural similarities to pentylone, N-Ethyl Pentylone is expected to have stimulant type effects. N-Ethyl Pentylone was reported as the sole intoxicant in a fatality where an individual was agitated and displayed erratic behavior followed by cardiac arrest; other symptoms included rhabdomyolysis, hypoglycemia, hepatic and renal injury, respiratory failure, and disseminated intravascular coagulation.				