



NMS Labs

CONFIDENTIAL

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

Demo Report

Report Issued 03/30/2020 11:46
Last Report Issued 06/23/2017 13:05

88888
Clinical Example Report
Attn: Example Reports
200 Welsh Road
Horsham, PA 19044

Patient Name 1021U
Patient ID 1021U
Chain 17001212
Age Not Given DOB Not Given
Gender Not Given
Workorder 17001212
Received 06/23/2017 12:59

Sample ID 17001212-001
Matrix Urine
Patient Name 1021U
Patient ID 1021U
Container Type Clear vial

Collect Dt/Tm Not Given
Source Not Given

Approx Vol/Weight Not Given

Receipt Notes None Entered

Table with 5 columns: 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 None Detected 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 None Detected ng/mL 10

Results for sample 17001212-001 are continued on next page



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Sample ID 17001212-001
Matrix Urine
Patient Name 1021U
Patient ID 1021U

Collect Dt/Tm Not Given
Source Not Given

Table with 5 columns: Analysis and Comments, Result, Units, Reporting Limit, Notes. Rows include Ethylone, Butylone, Dibutylone, and N-Ethyl Pentylone with detailed descriptions and 'None Detected' results.

Results for sample 17001212-001 are continued on next page



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**Sample ID** 17001212-001

**Matrix** Urine

**Patient Name** 1021U

**Patient ID** 1021U

**Collect Dt/Tm** Not Given

**Source** Not Given

Analysis and Comments	Result	Units	Reporting Limit	Notes
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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.

This test was developed and its performance characteristics determined by NMS Labs. It has not been cleared or approved by the US Food and Drug Administration.