

TIBERIAN ORDER FORENSICS DIVISION

CHEMICAL ANALYSIS REPORT

Case #2024-0789-CA1
Classification Level: TOP SECRET

SUBMITTING AGENT: Special Agent Marcus Rodriguez
EXAMINER: Forensic Chemist Dr. Sarah Chen
DATE OF REPORT: December 27, 2024
LAB NUMBER: CA-2024-0236
ANALYSIS PERIOD: December 5-26, 2024

EVIDENCE EXAMINED

Item	Description	Quantity
#WK-2024-0315-L1A	Green liquid samples	250mL total
#WK-2024-0315-L1B	Precursor chemicals	Various quantities
#WK-2024-0315-L1C	Synthesis equipment	Full lab setup

ANALYTICAL PROCEDURES

1. Gas Chromatography-Mass Spectrometry (GC-MS)
2. Liquid Chromatography-Mass Spectrometry (LC-MS)
3. Nuclear Magnetic Resonance (NMR) Spectroscopy
4. Infrared Spectroscopy (IR)
5. UV-Visible Spectroscopy
6. pH Analysis
7. Solubility Testing

CHEMICAL COMPOSITION

Base Compound

3,4,5-Methylenedioxy methamphetamine (Modified MDMA)
Molecular Formula: C₁₁H₁₅NO₃
Additional oxygen atom modification
Concentration: 45-55% of total composition

Variant Combinations (By Sample)

Variant	Components	Ratios
Type A	Xylazine + MDMA + Ketamine	30:45:25
Type B	Midazolam + Ketamine + MDMA	25:35:40
Type C	Lidocaine + Dexamethasone + MDMA	20:30:50

Physical Properties

Form: Liquid
Color: Lightgreen(distinctive)
pH: 6.8-7.2
Density: 1.12g/mL
Solubility: Water-soluble
Melting Point: -5°C
Boiling Point: 178°C

SYNTHESIS PROCESS ANALYSIS

Equipment Retrieved

Professional-grade condensers
Modified reaction vessels
Temperature control units
Precision scales
Custom filtration system
Specialized cooling apparatus

1. Manufacturing Process (Reconstructed)
Initial MDMA synthesis modification

 Additional oxidation step
 Temperature controlled: 55-60°C
 Duration: 4-6hours
2. Secondary component integration
 Staged addition of complementary drugs
 Precise pH maintenance
 Continuous stirring required
3. Stabilization process
 Custom cooling sequence
 Multiple filtration stages
 Final pH adjustment

PRODUCTION CAPACITY ASSESSMENT

BatchSize: 5-10liters
Production Time: 24-36 hours per batch
Equipment Capacity : Industrial scale
Quality Control: Minimal
Estimated Output: 500 kg/month potential

PHARMACOLOGICAL IMPLICATIONS

Chemical analysis indicates:

Rapid absorption rate
Enhanced psychoactive effects
Unpredictable drug interactions
High addiction potential
Significant health risks

CHAIN OF CUSTODY

All chemical analysis conducted in Secure Lab 4 under controlled conditions. Chain of custody maintained according to Tiberian Order Chemical Analysis Protocols.

*This document contains sensitive law enforcement information
Unauthorized disclosure is prohibited*

Forensic Chemist: Dr. Sarah Chen

Date: 27.12.2024

Technical Review: Dr William Dahoe

Date: 27.12.2024

Administrative Review: Boudine Muller

Date: 27.12.2024