

# 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