

Certificate of Analysis



Customer Information

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Testing Facility

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Sample Image(s)



Sample Information

Name: On7 7-OH tablet (Relax)
Lot Number: 2024-12
Description: Pressed Tablet
Condition: Good
Job ID: ISO02965
Sample ID: I07535
Received: 13DEC2024
Completed: 21DEC2024
Issued: 23DEC2024

Test Results

Mitragyna Alkaloids (UHPLC-DAD)

Method Code: T102

Tested: 20DEC2024 | 2036

| PARAMETER | SPECIFICATION | RESULT | UNIT | LOQ | NOTES |
|---------------------------|----------------|--------|---------|------|-------|
| Mitragynine | Report Results | 2.04 | mg/unit | 0.03 | N/A |
| 7-Hydroxymitragynine | Report Results | 0.157 | mg/unit | 0.01 | N/A |
| Mitragynine Pseudoindoxyl | Report Results | 7.90 | mg/unit | 0.03 | N/A |
| Mitraciliatine | Report Results | <LOQ | mg/unit | 0.02 | N/A |
| Speciociliatine | Report Results | 0.106 | mg/unit | 0.03 | N/A |
| Speciogynine | Report Results | <LOQ | mg/unit | 0.03 | N/A |
| Paynantheine | Report Results | <LOQ | mg/unit | 0.03 | N/A |
| Corynoxine | Report Results | <LOQ | mg/unit | 0.02 | N/A |
| Isorhynchophylline | Report Results | <LOQ | mg/unit | 0.02 | N/A |
| Mitraphylline | Report Results | <LOQ | mg/unit | 0.58 | N/A |
| Total Mitragyna Alkaloids | Report Results | 10.2 | mg/unit | 0.03 | N/A |

Mitragyna Alkaloids (UHPLC-DAD)

Method Code: T102

Tested: 20DEC2024 | 2036

| PARAMETER | SPECIFICATION | RESULT | UNIT | LOQ | NOTES |
|---------------------------|----------------|--------|------|-------|-------|
| Mitragynine | Report Results | 0.314 | w/w% | 0.005 | N/A |
| 7-Hydroxymitragynine | Report Results | 0.024 | w/w% | 0.001 | N/A |
| Mitragynine Pseudoindoxyl | Report Results | 1.22 | w/w% | 0.005 | N/A |
| Mitraciliatine | Report Results | <LOQ | w/w% | 0.004 | N/A |
| Speciociliatine | Report Results | 0.016 | w/w% | 0.005 | N/A |
| Speciogynine | Report Results | <LOQ | w/w% | 0.005 | N/A |
| Paynantheine | Report Results | <LOQ | w/w% | 0.005 | N/A |
| Corynoxine | Report Results | <LOQ | w/w% | 0.004 | N/A |
| Isorhynchophylline | Report Results | <LOQ | w/w% | 0.004 | N/A |
| Mitraphylline | Report Results | <LOQ | w/w% | 0.004 | N/A |
| Total Mitragyna Alkaloids | Report Results | 1.57 | w/w% | 0.005 | N/A |

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Residual Solvents: Class I (GC-MS)**Method Code: T201****Tested: 20DEC2024 | 0312**

| PARAMETER | SPECIFICATION | RESULT | UNIT | LOQ | NOTES |
|-----------------------|---------------|--------|------|------|-------|
| 1,1-Dichloroethene | NMT 8 | <LOQ | ug/g | 0.4 | PASS |
| 1,1,1-Trichloroethane | NMT 1500 | <LOQ | ug/g | 75 | PASS |
| Tetrachloromethane | NMT 4 | <LOQ | ug/g | 0.2 | PASS |
| Benzene | NMT 2 | <LOQ | ug/g | 0.1 | PASS |
| 1,2-Dichloroethane | NMT 5 | <LOQ | ug/g | 0.25 | PASS |

Residual Solvents: Class II (GC-MS)**Method Code: T201****Tested: 20DEC2024 | 0312**

| PARAMETER | SPECIFICATION | RESULT | UNIT | LOQ | NOTES |
|-------------------------|---------------|--------|------|-------|-------|
| Methanol | NMT 3000 | <LOQ | ug/g | 94 | PASS |
| Acetonitrile | NMT 410 | <LOQ | ug/g | 10.25 | PASS |
| Dichloromethane | NMT 600 | <LOQ | ug/g | 15 | PASS |
| 1,2-Dichloroethene, (E) | NMT 1870 | <LOQ | ug/g | 46.75 | PASS |
| 1,2-Dichloroethene, (Z) | NMT 1870 | <LOQ | ug/g | 46.75 | PASS |
| Tetrahydrofuran | NMT 720 | <LOQ | ug/g | 18 | PASS |
| Cyclohexane | NMT 3880 | <LOQ | ug/g | 97 | PASS |
| Methylcyclohexane | NMT 1180 | <LOQ | ug/g | 29.5 | PASS |
| 1,4-Dioxane | NMT 380 | <LOQ | ug/g | 9.5 | PASS |
| Toluene | NMT 890 | <LOQ | ug/g | 20 | PASS |
| Chlorobenzene | NMT 360 | <LOQ | ug/g | 9 | PASS |
| Ethylbenzene | NMT 2170 | <LOQ | ug/g | 54.25 | PASS |
| o/p-Xylene | NMT 2170 | <LOQ | ug/g | 54.25 | PASS |
| m-Xylene | NMT 2170 | <LOQ | ug/g | 54.25 | PASS |
| Isopropylbenzene | NMT 70 | <LOQ | ug/g | 1.75 | PASS |
| Hexane | NMT 290 | <LOQ | ug/g | 7.25 | PASS |
| Nitromethane | NMT 50 | <LOQ | ug/g | 1.25 | PASS |
| Chloroform | NMT 60 | <LOQ | ug/g | 1.5 | PASS |
| 1,2-Dimethoxyethane | NMT 100 | <LOQ | ug/g | 2.5 | PASS |
| Trichloroethene | NMT 80 | <LOQ | ug/g | 2 | PASS |
| Pyridine | NMT 200 | <LOQ | ug/g | 5 | PASS |
| 2-Hexanone | NMT 50 | <LOQ | ug/g | 1.25 | PASS |
| Tetralin | NMT 100 | <LOQ | ug/g | 2.5 | PASS |

Residual Solvents: Class III (GC-MS)**Method Code: T201****Tested: 20DEC2024 | 0312**

| PARAMETER | SPECIFICATION | RESULT | UNIT | LOQ | NOTES |
|-------------------------|---------------|--------|------|-----|-------|
| Pentane | NMT 5000 | <LOQ | ug/g | 125 | PASS |
| Ethanol | NMT 5000 | <LOQ | ug/g | 125 | PASS |
| Diethyl Ether | NMT 5000 | <LOQ | ug/g | 125 | PASS |
| Acetone | NMT 5000 | <LOQ | ug/g | 125 | PASS |
| Ethyl Formate | NMT 5000 | <LOQ | ug/g | 125 | PASS |
| Isopropanol | NMT 5000 | <LOQ | ug/g | 125 | PASS |
| Methyl Acetate | NMT 5000 | <LOQ | ug/g | 125 | PASS |
| Methyl tert-Butyl Ether | NMT 5000 | <LOQ | ug/g | 125 | PASS |
| 1-Propanol | NMT 5000 | <LOQ | ug/g | 125 | PASS |
| 2-Butanone | NMT 5000 | <LOQ | ug/g | 125 | PASS |
| Ethyl Acetate | NMT 5000 | <LOQ | ug/g | 125 | PASS |
| 2-Butanol | NMT 5000 | <LOQ | ug/g | 125 | PASS |
| 2-Methyl-1-Propanol | NMT 5000 | <LOQ | ug/g | 125 | PASS |
| Isopropyl Acetate | NMT 5000 | <LOQ | ug/g | 125 | PASS |
| Heptane | NMT 5000 | <LOQ | ug/g | 125 | PASS |
| 1-Butanol | NMT 5000 | <LOQ | ug/g | 125 | PASS |
| Propyl Acetate | NMT 5000 | <LOQ | ug/g | 125 | PASS |
| 4-Methyl-2-Pentanone | NMT 5000 | <LOQ | ug/g | 125 | PASS |
| Isoamyl Alcohol | NMT 5000 | <LOQ | ug/g | 125 | PASS |
| Isobutyl Acetate | NMT 5000 | <LOQ | ug/g | 125 | PASS |
| 1-Pentanol | NMT 5000 | <LOQ | ug/g | 125 | PASS |
| Butyl Acetate | NMT 5000 | <LOQ | ug/g | 125 | PASS |
| Dimethylsulfoxide | NMT 5000 | <LOQ | ug/g | 125 | PASS |
| Anisole | NMT 5000 | <LOQ | ug/g | 125 | PASS |

Adulterants (GC-MS/MS:1/2)

Method Code: T451

Tested: 21DEC2024 | 0548

| PARAMETER | RESULT | UNIT | LOQ | NOTES |
|---------------|--------|------|------|-------|
| Meperidine | <LOQ | ug/g | 0.05 | PASS |
| cis-Tramadol | <LOQ | ug/g | 0.05 | PASS |
| Methadone | <LOQ | ug/g | 0.05 | PASS |
| Heroin | <LOQ | ug/g | 0.05 | PASS |
| Codeine | <LOQ | ug/g | 0.05 | PASS |
| Morphine | <LOQ | ug/g | 0.05 | PASS |
| Hydrocodone | <LOQ | ug/g | 0.05 | PASS |
| Hydromorphone | <LOQ | ug/g | 0.05 | PASS |
| Oxycodone | <LOQ | ug/g | 0.05 | PASS |
| Naltrexone | <LOQ | ug/g | 0.05 | PASS |
| Naloxone | <LOQ | ug/g | 0.05 | PASS |
| Oxymorphone | <LOQ | ug/g | 0.05 | PASS |
| Fentanyl | <LOQ | ug/g | 0.05 | PASS |
| Buprenorphine | <LOQ | ug/g | 0.05 | PASS |
| Tianeptine | <LOQ | ug/g | 0.05 | PASS |

Adulterants (GC-MS/MS:2/2)

Method Code: T451

Tested: 21DEC2024 | 0548

| PARAMETER | RESULT | UNIT | LOQ | NOTES |
|-----------------|--------|------|------|-------|
| Amphetamine | <LOQ | ug/g | 0.05 | PASS |
| Phentermine | <LOQ | ug/g | 0.05 | PASS |
| Methamphetamine | <LOQ | ug/g | 0.05 | PASS |
| MDA | <LOQ | ug/g | 0.05 | PASS |
| MDMA | <LOQ | ug/g | 0.05 | PASS |
| MDEA | <LOQ | ug/g | 0.05 | PASS |
| Cocaine | <LOQ | ug/g | 0.05 | PASS |
| Amobarbital | <LOQ | ug/g | 0.05 | PASS |
| Butalbital | <LOQ | ug/g | 0.05 | PASS |
| Pentobarbital | <LOQ | ug/g | 0.05 | PASS |
| Phenobarbital | <LOQ | ug/g | 0.05 | PASS |
| Secobarbital | <LOQ | ug/g | 0.05 | PASS |
| Alprazolam | <LOQ | ug/g | 0.05 | PASS |
| Clonazepam | <LOQ | ug/g | 0.05 | PASS |
| Diazepam | <LOQ | ug/g | 0.05 | PASS |
| Flunitrazepam | <LOQ | ug/g | 0.05 | PASS |
| Lorazepam | <LOQ | ug/g | 0.05 | PASS |
| Oxazepam | <LOQ | ug/g | 0.05 | PASS |
| Nitrazepam | <LOQ | ug/g | 0.05 | PASS |
| Temazepam | <LOQ | ug/g | 0.05 | PASS |

Additional Report Notes

T102 result, LOQ and unit converted from w/w% to mg/unit using a laboratory measured unit weight of 0.649 grams.

Revision History

rev 00 - Initial release.

Abbreviations

ID: identification, **N/A:** not applicable, **LOQ:** limit of quantitation, **CFU:** colony forming units, **w/w%:** weight by weight percent, **mg:** milligrams, **g:** grams, **ug:** micrograms, **mL:** milliliters, **ND:** not detected, **<LOQ:** below limit of quantitation, **NMT:** no more than, **NLT:** no less than, **UHPLC:** ultra-high performance liquid chromatography, **GC:** gas chromatography, **DAD:** diode array detection/detector, **MS:** mass spectroscopy/spectrometer, **ICP:** inductively coupled plasma, **ISO:** International Organization for Standardization, **USP:** United States Pharmacopeia

Authorization

This report has been authorized for release from Cora Science by:

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Tyler West

Position:

Laboratory Director

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23DEC2024