

Certificate of Analysis



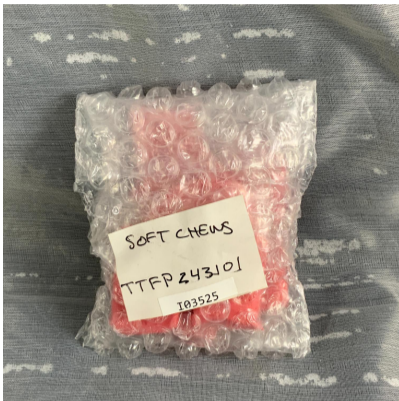
Customer Information

Client: CWL Brands
Attention: (208) 563-5192
Address: 11193 W Emerald St, STE 140
 Boise, ID 83713

Testing Facility

Lab: Cora Science, LLC
Address: 8000 Anderson Square, STE 113
 Austin, Texas 78757
Contact: info@corascience.com
 (512) 856-5007

Sample Image(s)



Sample Information

Name: Fruit Punch Soft Chews
Lot Number: TTFP 243101
Description: Botanical-infused soft chew candy
Condition: Good
Job ID: ISO01703
Sample ID: I03525
Received: 02FEB2024
Completed: 10FEB2024
Issued: 13FEB2024

Test Results

Mitragyna Alkaloids (UHPLC-DAD)

Method Code: T102

Tested: 03FEB2024 | 2232

| PARAMETER | SPECIFICATION | RESULT | UNIT | LOQ | NOTES |
|---------------------------|----------------|--------|---------|------|-------|
| Mitragynine | Report Results | 17.9 | mg/unit | 0.14 | N/A |
| 7-Hydroxymitragynine | Report Results | 0.041 | mg/unit | 0.04 | N/A |
| Paynantheine | Report Results | 2.58 | mg/unit | 0.14 | N/A |
| Speciogynine | Report Results | 2.07 | mg/unit | 0.14 | N/A |
| Speciociliatine | Report Results | 4.02 | mg/unit | 0.14 | N/A |
| Total Mitragyna Alkaloids | Report Results | 26.6 | mg/unit | 0.14 | N/A |

Mitragyna Alkaloids (UHPLC-DAD)

Method Code: T102

Tested: 03FEB2024 | 2232

| PARAMETER | SPECIFICATION | RESULT | UNIT | LOQ | NOTES |
|---------------------------|----------------|--------|------|-------|-------|
| Mitragynine | Report Results | 0.377 | w/w% | 0.003 | N/A |
| 7-Hydroxymitragynine | Report Results | 0.001 | w/w% | 0.001 | N/A |
| Paynantheine | Report Results | 0.054 | w/w% | 0.003 | N/A |
| Speciogynine | Report Results | 0.044 | w/w% | 0.003 | N/A |
| Speciociliatine | Report Results | 0.085 | w/w% | 0.003 | N/A |
| Total Mitragyna Alkaloids | Report Results | 0.560 | w/w% | 0.003 | N/A |

Elemental Impurities (ICP-MS)

Method Code: T301

Tested: 04FEB2024 | 1458

| PARAMETER | SPECIFICATION | RESULT | UNIT | LOQ | NOTES |
|-----------|---------------|--------|------|--------|-------|
| Arsenic | NMT 1.5 | <LOQ | ug/g | 0.048 | PASS |
| Cadmium | NMT 0.5 | <LOQ | ug/g | 0.0095 | PASS |
| Lead | NMT 0.5 | 0.038 | ug/g | 0.0095 | PASS |
| Mercury | NMT 3.0 | <LOQ | ug/g | 0.0095 | PASS |

Residual Solvents (GC-MS)

Method Code: T201

Tested: 05FEB2024 | 2142

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| PARAMETER | SPECIFICATION | RESULT | UNIT | LOQ | NOTES |
|-------------------------|---------------|--------|------|------|-------|
| 1,1-Dichloroethene | NMT 8 | <LOQ | ug/g | 0.40 | PASS |
| 1,1,1-Trichloroethane | NMT 1500 | <LOQ | ug/g | 75.0 | PASS |
| Tetrachloromethane | NMT 4 | <LOQ | ug/g | 0.20 | PASS |
| Benzene | NMT 2 | <LOQ | ug/g | 0.10 | PASS |
| 1,2-Dichloroethane | NMT 5 | <LOQ | ug/g | 0.25 | PASS |
| Methanol | NMT 3000 | <LOQ | ug/g | 150 | PASS |
| Acetonitrile | NMT 410 | <LOQ | ug/g | 21 | PASS |
| Dichloromethane | NMT 600 | <LOQ | ug/g | 30 | PASS |
| 1,2-Dichloroethene, (E) | NMT 1870 | <LOQ | ug/g | 94 | PASS |
| 1,2-Dichloroethene, (Z) | NMT 1870 | <LOQ | ug/g | 94 | PASS |
| Tetrahydrofuran | NMT 720 | <LOQ | ug/g | 36 | PASS |
| Cyclohexane | NMT 3880 | <LOQ | ug/g | 194 | PASS |
| Methylcyclohexane | NMT 1180 | <LOQ | ug/g | 59 | PASS |
| 1,4-Dioxane | NMT 380 | <LOQ | ug/g | 19 | PASS |
| Toluene | NMT 890 | <LOQ | ug/g | 45 | PASS |
| Chlorobenzene | NMT 360 | <LOQ | ug/g | 18 | PASS |
| Ethylbenzene | NMT 2170 | <LOQ | ug/g | 109 | PASS |
| o/p-Xylene | NMT 2170 | <LOQ | ug/g | 109 | PASS |
| m-Xylene | NMT 2170 | <LOQ | ug/g | 109 | PASS |
| Isopropylbenzene | NMT 70 | <LOQ | ug/g | 3.5 | PASS |
| Hexane | NMT 290 | <LOQ | ug/g | 15 | PASS |
| Nitromethane | NMT 50 | <LOQ | ug/g | 2.5 | PASS |
| Chloroform | NMT 60 | <LOQ | ug/g | 3.0 | PASS |
| 1,2-Dimethoxyethane | NMT 100 | <LOQ | ug/g | 5.0 | PASS |
| Trichloroethene | NMT 80 | <LOQ | ug/g | 4.0 | PASS |
| Pyridine | NMT 200 | <LOQ | ug/g | 10 | PASS |
| 2-Hexanone | NMT 50 | <LOQ | ug/g | 2.5 | PASS |
| Tetralin | NMT 100 | <LOQ | ug/g | 5.0 | PASS |
| Pentane | NMT 5000 | <LOQ | ug/g | 250 | PASS |
| Ethanol | NMT 5000 | <LOQ | ug/g | 250 | PASS |
| Diethyl Ether | NMT 5000 | <LOQ | ug/g | 250 | PASS |
| Acetone | NMT 5000 | <LOQ | ug/g | 250 | PASS |
| Ethyl Formate | NMT 5000 | <LOQ | ug/g | 250 | PASS |
| Isopropanol | NMT 5000 | <LOQ | ug/g | 250 | PASS |
| Methyl Acetate | NMT 5000 | <LOQ | ug/g | 250 | PASS |
| Methyl tert-Butyl Ether | NMT 5000 | <LOQ | ug/g | 250 | PASS |
| 1-Propanol | NMT 5000 | <LOQ | ug/g | 250 | PASS |
| 2-Butanone | NMT 5000 | <LOQ | ug/g | 250 | PASS |
| Ethyl Acetate | NMT 5000 | <LOQ | ug/g | 250 | PASS |
| 2-Butanol | NMT 5000 | <LOQ | ug/g | 250 | PASS |
| 2-Methyl-1-Propanol | NMT 5000 | <LOQ | ug/g | 250 | PASS |
| Isopropyl Acetate | NMT 5000 | <LOQ | ug/g | 250 | PASS |
| Heptane | NMT 5000 | <LOQ | ug/g | 250 | PASS |
| 1-Butanol | NMT 5000 | <LOQ | ug/g | 250 | PASS |
| Propyl Acetate | NMT 5000 | <LOQ | ug/g | 250 | PASS |
| 4-Methyl-2-Pentanone | NMT 5000 | <LOQ | ug/g | 250 | PASS |
| Isoamyl Alcohol | NMT 5000 | <LOQ | ug/g | 250 | PASS |
| Isobutyl Acetate | NMT 5000 | <LOQ | ug/g | 250 | PASS |
| 1-Pentanol | NMT 5000 | <LOQ | ug/g | 250 | PASS |
| Butyl Acetate | NMT 5000 | <LOQ | ug/g | 250 | PASS |
| Dimethylsulfoxide | NMT 5000 | <LOQ | ug/g | 250 | PASS |
| Anisole | NMT 5000 | <LOQ | ug/g | 250 | PASS |

Microbiological Examination

Method Code: T005

Tested: 08FEB2024 | 1408

| PARAMETER | SPECIFICATION | RESULT | UNIT | LOQ | NOTES |
|---------------------------|--------------------------|--------------|----------|----------------|-------|
| Total Aerobic Plate Count | 10,000,000 CFU/gram | Not Detected | CFU/gram | 10 CFU/gram | PASS |
| Total Yeast & Mold | 100,000 CFU/gram | Not Detected | CFU/gram | 10 CFU/gram | PASS |
| Total Coliforms | 10,000 CFU/gram | Not Detected | CFU/gram | 10 CFU/gram | PASS |
| Escherichia coli | Not Detected in 10 grams | Not Detected | N/A | 1 CFU/10 grams | PASS |
| Staphylococcus aureus | Not Detected in 10 grams | Not Detected | N/A | 1 CFU/10 grams | PASS |
| Salmonella | Not Detected in 25 grams | Not Detected | N/A | 1 CFU/25 grams | PASS |

Additional Report Notes

T102 result, LOQ and unit converted from w/w% to mg/unit using a laboratory measured unit weight of 4.748 grams. T301 performed by a registered outsourcing facility.

Revision History

rev 00 - Initial release.

rev 01 - Added T005, T301, and T201 results.

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:

Signature:



Position:

Laboratory Director

Department:

Management

Name:

Tyler West

Date:

13FEB2024