



6 Star GMO Live Rosin

Sample ID: G3G0229-02 Matrix: Hemp Extracts & Concentrates

Test ID: 5024116

Source ID:

Date Sampled: 07/19/23 Date Accepted: 07/19/23

R&D Testing

Results at a Glance

Total THC : 66.29 %

Total CBD : <LOQ (0.0431%) %

Total Terpenes : 9.227 % PASS



**ISO 17025
ACCREDITED
LABORATORY**

Eric Wendt
Chief Science Officer - 7/25/2023



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R&D Testing

Potency Analysis by HPLC

Date/Time Extracted: 07/20/23 13:08 Analysis Method/SOP: 215 Batch Identification: 2329065

| Cannabinoids | LOQ (%) | % by Wt. | mg/g | Cannabinoids Profile |
|---------------------------|---------|--------------|--------------|---|
| Total THC | 0.1577 | 66.29 | 662.9 | <p>THCA 75.6 CBGA 3.2 THCVA 0.6 Total: 79.4</p> |
| Total CBD | 0.0431 | < LOQ | < LOQ | |
| THCA | 0.0005 | 75.58 | 755.8 | |
| delta 9-THC | 0.0005 | < LOQ | < LOQ | |
| delta 8-THC | 0.0934 | < LOQ | < LOQ | |
| THCV | 0.1052 | < LOQ | < LOQ | |
| THCVA | 0.0392 | 0.5951 | 5.951 | |
| CBD | 0.0005 | < LOQ | < LOQ | |
| CBDA | 0.0005 | < LOQ | < LOQ | |
| CBDV | 0.1040 | < LOQ | < LOQ | |
| CBDVA | 0.0341 | < LOQ | < LOQ | |
| CBN | 0.0622 | < LOQ | < LOQ | |
| CBG | 0.0164 | < LOQ | < LOQ | |
| CBGA | 0.0164 | 3.214 | 32.14 | |
| CBC | 0.0186 | < LOQ | < LOQ | |
| Total Cannabinoids | | 79.39 | 793.9 | |

Total THC = delta 9-THC + (THCA * 0.877)
Total CBD = CBD + (CBDA * 0.877)
Total CBG = CBG + (CBGA * 0.878)
LOQ=Limit of Quantification, the lowest measurable concentration of an analyte.



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Source ID:

Date Sampled: 07/19/23 Date Accepted: 07/19/23

R&D Testing

Terpene Analysis by GCMS

Date/Time Extracted: 07/20/23 13:08

Analysis Method/SOP: 204

Date/Time Analyzed: 07/20/23 17:46

| Analyte | Result | LOD | LOQ | Units | Analyte | Result | LOD | LOQ | Units |
|-----------------------|--------------|--------------|--------------|-------------|----------------------|--------|-------|-------|-------|
| (-)-Borneol | < LOQ | 0.001 | 0.003 | mg/g | (+)-Borneol | < LOQ | 0.001 | 0.003 | mg/g |
| 3-Carene | < LOQ | 0.001 | 0.003 | mg/g | alpha-Bisabolol | 3.61 | 0.001 | 0.003 | mg/g |
| alpha-Cedrene | 20.65 | 0.001 | 0.003 | mg/g | alpha-Humulene | 14.52 | 0.001 | 0.003 | mg/g |
| Alpha-Phellandrene | < LOQ | 0.001 | 0.003 | mg/g | alpha-Pinene | 0.66 | 0.001 | 0.003 | mg/g |
| alpha-Terpinene | < LOQ | 0.001 | 0.003 | mg/g | alpha-Thujone | < LOQ | 0.001 | 0.003 | mg/g |
| A-Terpineol | 0.67 | 0.001 | 0.003 | mg/g | beta-Caryophyllene | 26.7 | 0.001 | 0.003 | mg/g |
| beta-Myrcene | 2.27 | 0.001 | 0.003 | mg/g | beta-Pinene | 1.3 | 0.001 | 0.003 | mg/g |
| Camphene | < LOQ | 0.001 | 0.003 | mg/g | Camphor | < LOQ | 0.001 | 0.003 | mg/g |
| Carvacrol | < LOQ | 0.001 | 0.003 | mg/g | Carvone | < LOQ | 0.001 | 0.003 | mg/g |
| Caryophyllene Oxide | 6.12 | 0.001 | 0.003 | mg/g | Cedrol | < LOQ | 0.001 | 0.003 | mg/g |
| Cis-beta-Farnesene | 2.7 | 0.001 | 0.003 | mg/g | Cis-beta-Ocimene | < LOQ | 0.001 | 0.003 | mg/g |
| cis-Nerolidol | < LOQ | 0.001 | 0.003 | mg/g | Citral | < LOQ | 0.001 | 0.003 | mg/g |
| Citronellol | < LOQ | 0.001 | 0.003 | mg/g | Endo-fenchyl alcohol | < LOQ | 0.001 | 0.003 | mg/g |
| Eucalyptol | < LOQ | 0.001 | 0.003 | mg/g | Farnesol 1 | < LOQ | 0.001 | 0.003 | mg/g |
| Farnesol 2 | < LOQ | 0.001 | 0.003 | mg/g | gamma-Terpinene | < LOQ | 0.001 | 0.003 | mg/g |
| Geraniol | < LOQ | 0.001 | 0.003 | mg/g | Geranyl acetate | < LOQ | 0.001 | 0.003 | mg/g |
| Guaiol | < LOQ | 0.001 | 0.003 | mg/g | Isoborneol | < LOQ | 0.001 | 0.003 | mg/g |
| Isobornyl Acetate | < LOQ | 0.001 | 0.003 | mg/g | Isopulegol | < LOQ | 0.001 | 0.003 | mg/g |
| Limonene | 12.21 | 0.001 | 0.003 | mg/g | Linalool | < LOQ | 0.001 | 0.003 | mg/g |
| Menthol | < LOQ | 0.001 | 0.003 | mg/g | Menthone | < LOQ | 0.001 | 0.003 | mg/g |
| Nootkatone | < LOQ | 0.001 | 0.003 | mg/g | Octyl Acetate | < LOQ | 0.001 | 0.003 | mg/g |
| p-Cymene | < LOQ | 0.001 | 0.003 | mg/g | Phytane | < LOQ | 0.001 | 0.003 | mg/g |
| Piperitone | < LOQ | 0.001 | 0.003 | mg/g | Pulegone | < LOQ | 0.001 | 0.003 | mg/g |
| Sabinene | < LOQ | 0.001 | 0.003 | mg/g | Sabinene hydrate | < LOQ | 0.001 | 0.003 | mg/g |
| Safranal | < LOQ | 0.001 | 0.003 | mg/g | Squalene | < LOQ | 0.001 | 0.003 | mg/g |
| Terpinen-4-ol | 0.43 | 0.001 | 0.003 | mg/g | Terpinolene | < LOQ | 0.001 | 0.003 | mg/g |
| Thymol | < LOQ | 0.001 | 0.003 | mg/g | trans-beta-Farnesene | < LOQ | 0.001 | 0.003 | mg/g |
| trans-beta-Ocimene | < LOQ | 0.001 | 0.003 | mg/g | trans-Nerolidol | < LOQ | 0.001 | 0.003 | mg/g |
| Valencene | 0.85 | 0.001 | 0.003 | mg/g | Verbenone | < LOQ | 0.001 | 0.003 | mg/g |
| Total Terpenes | 92.27 | 0.001 | 0.003 | mg/g | | | | | |

ND - Compound not detected, <LOQ - Results below the Limit of Quantitation
Terpenes are not Accredited by ORELAP to TNI 2016



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Chief Science Officer - 7/25/2023



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Sample ID: G3G0229-02 Matrix: Hemp Extracts & Concentrates

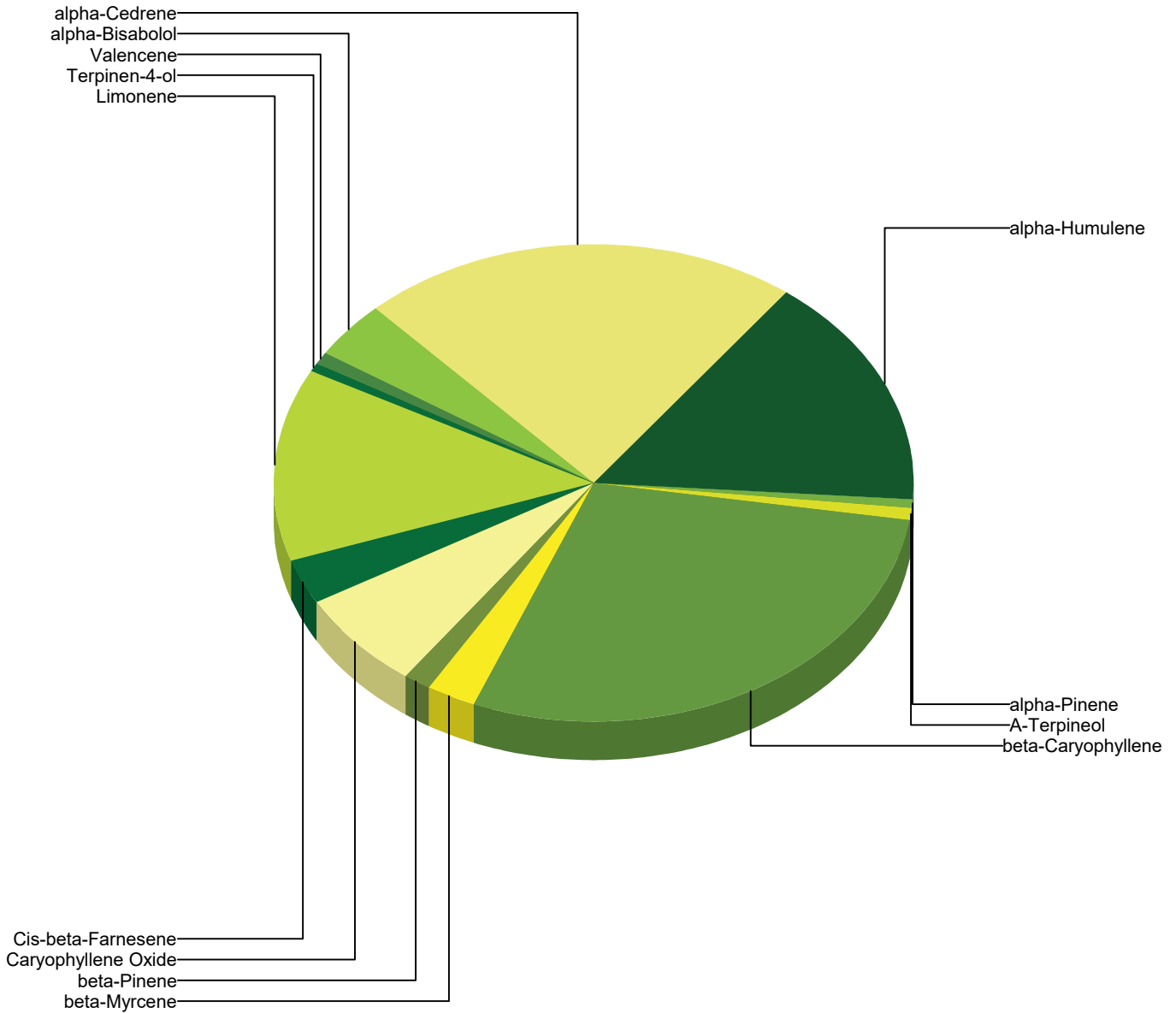
Test ID: 5024116

Source ID:

Date Sampled: 07/19/23 Date Accepted: 07/19/23

R&D Testing

Terpene Profile



Percentage of Total Terpenes Identified



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Chief Science Officer - 7/25/2023



Quality Control Potency

Batch: 2329065 - 215-Concentrates

| Blank(2329065-BLK1) | | | | | | | |
|---------------------|--------|--------|-------|------------------|----------------|----------------|-------|
| Analyte | Result | LOQ | Units | %Recovery Limits | Extracted | Analyzed | Notes |
| THCA | < LOQ | 0.0005 | % | | 07/20/23 13:08 | 07/20/23 21:55 | |
| delta 9-THC | < LOQ | 0.0005 | % | | 07/20/23 13:08 | 07/20/23 21:55 | |
| delta 8-THC | < LOQ | 0.0934 | % | | 07/20/23 13:08 | 07/20/23 21:55 | |
| THCV | < LOQ | 0.1052 | % | | 07/20/23 13:08 | 07/20/23 21:55 | |
| THCVA | < LOQ | 0.0392 | % | | 07/20/23 13:08 | 07/20/23 21:55 | |
| CBD | < LOQ | 0.0005 | % | | 07/20/23 13:08 | 07/20/23 21:55 | |
| CBDA | < LOQ | 0.0005 | % | | 07/20/23 13:08 | 07/20/23 21:55 | |
| CBDV | < LOQ | 0.1040 | % | | 07/20/23 13:08 | 07/20/23 21:55 | |
| CBDVA | < LOQ | 0.0341 | % | | 07/20/23 13:08 | 07/20/23 21:55 | |
| CBN | < LOQ | 0.0622 | % | | 07/20/23 13:08 | 07/20/23 21:55 | |
| CBG | < LOQ | 0.0164 | % | | 07/20/23 13:08 | 07/20/23 21:55 | |
| CBGA | < LOQ | 0.0164 | % | | 07/20/23 13:08 | 07/20/23 21:55 | |
| CBC | < LOQ | 0.0186 | % | | 07/20/23 13:08 | 07/20/23 21:55 | |

| Reference(2329065-SRM1) | | | | | | | |
|-------------------------|------------|--------|-------|------------------|----------------|----------------|-------|
| Analyte | % Recovery | LOQ | Units | %Recovery Limits | Extracted | Analyzed | Notes |
| THCA | 104 | 0.0002 | % | 90-110 | 07/20/23 13:08 | 07/20/23 22:17 | |
| delta 9-THC | 101 | 0.0002 | % | 90-110 | 07/20/23 13:08 | 07/20/23 22:17 | |
| delta 8-THC | 100 | 0.0452 | % | 90-110 | 07/20/23 13:08 | 07/20/23 22:17 | |
| CBD | 99.0 | 0.0002 | % | 90-110 | 07/20/23 13:08 | 07/20/23 22:17 | |
| CBDA | 100 | 0.0002 | % | 90-110 | 07/20/23 13:08 | 07/20/23 22:17 | |

Terpene Analysis

Batch: 2329065 - 215-Concentrates

| Blank(2329065-BLK2) | | | | | | | |
|----------------------|--------|---------|-------|------------------|----------------|----------------|-------|
| Analyte | Result | LOQ | Units | %Recovery Limits | Extracted | Analyzed | Notes |
| alpha-Bisabolol | < LOQ | 0.00025 | % | | 07/20/23 13:08 | 07/20/23 16:13 | |
| Camphene | < LOQ | 0.00025 | % | | 07/20/23 13:08 | 07/20/23 16:13 | |
| Camphor | < LOQ | 0.00025 | % | | 07/20/23 13:08 | 07/20/23 16:13 | |
| 3-Carene | < LOQ | 0.00025 | % | | 07/20/23 13:08 | 07/20/23 16:13 | |
| beta-Caryophyllene | < LOQ | 0.00025 | % | | 07/20/23 13:08 | 07/20/23 16:13 | |
| Caryophyllene Oxide | < LOQ | 0.00025 | % | | 07/20/23 13:08 | 07/20/23 16:13 | |
| alpha-Cedrene | < LOQ | 0.00025 | % | | 07/20/23 13:08 | 07/20/23 16:13 | |
| Cedrol | < LOQ | 0.00025 | % | | 07/20/23 13:08 | 07/20/23 16:13 | |
| Endo-fenchyl alcohol | < LOQ | 0.00025 | % | | 07/20/23 13:08 | 07/20/23 16:13 | |
| Eucalyptol | < LOQ | 0.00025 | % | | 07/20/23 13:08 | 07/20/23 16:13 | |
| Geraniol | < LOQ | 0.00025 | % | | 07/20/23 13:08 | 07/20/23 16:13 | |
| Geranyl acetate | < LOQ | 0.00025 | % | | 07/20/23 13:08 | 07/20/23 16:13 | |
| Guaiol | < LOQ | 0.00025 | % | | 07/20/23 13:08 | 07/20/23 16:13 | |



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Quality Control Terpene Analysis (Continued)

Batch: 2329065 - 215-Concentrates (Continued)

| Blank(2329065-BLK2) | | | | | | | |
|----------------------|--------|---------|-------|------------------|----------------|----------------|-------|
| Analyte | Result | LOQ | Units | %Recovery Limits | Extracted | Analyzed | Notes |
| alpha-Humulene | < LOQ | 0.00025 | % | | 07/20/23 13:08 | 07/20/23 16:13 | |
| Isoborneol | < LOQ | 0.00025 | % | | 07/20/23 13:08 | 07/20/23 16:13 | |
| Isopulegol | < LOQ | 0.00025 | % | | 07/20/23 13:08 | 07/20/23 16:13 | |
| Limonene | < LOQ | 0.00025 | % | | 07/20/23 13:08 | 07/20/23 16:13 | |
| Linalool | < LOQ | 0.00025 | % | | 07/20/23 13:08 | 07/20/23 16:13 | |
| beta-Myrcene | < LOQ | 0.00025 | % | | 07/20/23 13:08 | 07/20/23 16:13 | |
| trans-Nerolidol | 0.032 | 0.00025 | % | | 07/20/23 13:08 | 07/20/23 16:13 | |
| alpha-Pinene | < LOQ | 0.00025 | % | | 07/20/23 13:08 | 07/20/23 16:13 | |
| beta-Pinene | < LOQ | 0.00025 | % | | 07/20/23 13:08 | 07/20/23 16:13 | |
| Pulegone | < LOQ | 0.00025 | % | | 07/20/23 13:08 | 07/20/23 16:13 | |
| Sabinene | < LOQ | 0.00025 | % | | 07/20/23 13:08 | 07/20/23 16:13 | |
| Sabinene hydrate | < LOQ | 0.00025 | % | | 07/20/23 13:08 | 07/20/23 16:13 | |
| gamma-Terpinene | < LOQ | 0.00025 | % | | 07/20/23 13:08 | 07/20/23 16:13 | |
| alpha-Terpinene | < LOQ | 0.00025 | % | | 07/20/23 13:08 | 07/20/23 16:13 | |
| Terpinolene | < LOQ | 0.00025 | % | | 07/20/23 13:08 | 07/20/23 16:13 | |
| Valencene | < LOQ | 0.00025 | % | | 07/20/23 13:08 | 07/20/23 16:13 | |
| Verbenone | < LOQ | 0.00025 | % | | 07/20/23 13:08 | 07/20/23 16:13 | |
| trans-beta-Farnesene | < LOQ | 0.00025 | % | | 07/20/23 13:08 | 07/20/23 16:13 | |
| A-Terpineol | < LOQ | 0.00025 | % | | 07/20/23 13:08 | 07/20/23 16:13 | |
| cis-Nerolidol | < LOQ | 0.00025 | % | | 07/20/23 13:08 | 07/20/23 16:13 | |
| Thymol | < LOQ | 0.00025 | % | | 07/20/23 13:08 | 07/20/23 16:13 | |
| Terpinen-4-ol | < LOQ | 0.00025 | % | | 07/20/23 13:08 | 07/20/23 16:13 | |
| Squalene | < LOQ | 0.00025 | % | | 07/20/23 13:08 | 07/20/23 16:13 | |
| Safranal | < LOQ | 0.00025 | % | | 07/20/23 13:08 | 07/20/23 16:13 | |
| Piperitone | < LOQ | 0.00025 | % | | 07/20/23 13:08 | 07/20/23 16:13 | |
| Phytane | < LOQ | 0.00025 | % | | 07/20/23 13:08 | 07/20/23 16:13 | |
| p-Cymene | < LOQ | 0.00025 | % | | 07/20/23 13:08 | 07/20/23 16:13 | |
| Octyl Acetate | < LOQ | 0.00025 | % | | 07/20/23 13:08 | 07/20/23 16:13 | |
| Nootkatone | < LOQ | 0.00025 | % | | 07/20/23 13:08 | 07/20/23 16:13 | |
| Menthone | < LOQ | 0.00025 | % | | 07/20/23 13:08 | 07/20/23 16:13 | |
| Menthol | < LOQ | 0.00025 | % | | 07/20/23 13:08 | 07/20/23 16:13 | |
| Isobornyl Acetate | < LOQ | 0.00025 | % | | 07/20/23 13:08 | 07/20/23 16:13 | |
| Farnesol 1 | < LOQ | 0.00025 | % | | 07/20/23 13:08 | 07/20/23 16:13 | |
| Carvone | < LOQ | 0.00025 | % | | 07/20/23 13:08 | 07/20/23 16:13 | |
| alpha-Thujone | < LOQ | 0.00025 | % | | 07/20/23 13:08 | 07/20/23 16:13 | |
| Alpha-Phellandrene | < LOQ | 0.00025 | % | | 07/20/23 13:08 | 07/20/23 16:13 | |
| (+)-Borneol | < LOQ | 0.00025 | % | | 07/20/23 13:08 | 07/20/23 16:13 | |
| (-)-Borneol | < LOQ | 0.00025 | % | | 07/20/23 13:08 | 07/20/23 16:13 | |



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Quality Control Terpene Analysis (Continued)

Batch: 2329065 - 215-Concentrates (Continued)

| Blank(2329065-BLK2) | | | | | | | |
|---------------------|--------|---------|-------|------------------|----------------|----------------|-------|
| Analyte | Result | LOQ | Units | %Recovery Limits | Extracted | Analyzed | Notes |
| Carvacrol | < LOQ | 0.00025 | % | | 07/20/23 13:08 | 07/20/23 16:13 | |
| trans-beta-Ocimene | < LOQ | 0.00025 | % | | 07/20/23 13:08 | 07/20/23 16:13 | |
| Cis-beta-Ocimene | < LOQ | 0.00025 | % | | 07/20/23 13:08 | 07/20/23 16:13 | |
| Citral | < LOQ | 0.00025 | % | | 07/20/23 13:08 | 07/20/23 16:13 | |
| Citronellol | < LOQ | 0.00025 | % | | 07/20/23 13:08 | 07/20/23 16:13 | |
| Farnesol 2 | < LOQ | 0.00025 | % | | 07/20/23 13:08 | 07/20/23 16:13 | |
| Cis-beta-Farnesene | < LOQ | 0.00025 | % | | 07/20/23 13:08 | 07/20/23 16:13 | |

| Reference(2329065-SRM2) | | | | | | | |
|-------------------------|------------|--------|-------|------------------|----------------|----------------|-------|
| Analyte | % Recovery | LOQ | Units | %Recovery Limits | Extracted | Analyzed | Notes |
| alpha-Bisabolol | 81.4 | 0.0001 | % | 0-130 | 07/20/23 13:08 | 07/20/23 16:32 | |
| beta-Caryophyllene | 80.3 | 0.0001 | % | 70-130 | 07/20/23 13:08 | 07/20/23 16:32 | |
| Limonene | 82.3 | 0.0001 | % | 70-130 | 07/20/23 13:08 | 07/20/23 16:32 | |
| beta-Myrcene | 84.2 | 0.0001 | % | 70-130 | 07/20/23 13:08 | 07/20/23 16:32 | |



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Notes and Definitions

Regulatory Compliance samples were collected onsite at facility according to ORELAP-SOP-001 and ORELAP-SOP-002 and following Sampling Plan FN117. Quality Control samples were tested as received. Results do not include uncertainty of measurements. Available upon request.

- ATM Non-cannabis matrix related interference or suppression of Internal standard
 - BLI Baseline Interference - Cannabinoid peak interference in chromatographic baseline affecting QC recovery .
 - BLK Analyte detected in method blank, but not associated samples.
 - BSH Blank Spike High - Blank Spike recovery above method limit. no detections in samples.
 - BSL Blank Spike Low - Blank Spike recovery below lower method limit, analyte chromatography reviewed manually for all samples.
 - C Interference due to co-elution
 - CBD Interference due to co-elution
 - CV1 CBD matrix interference on GC Pest chromatography
 - CV2 CCV was above acceptance criteria, Non-detect samples are considered acceptable.
 - INF CCV was below acceptance criteria, sample still exceeds regulatory limit.
 - ISH One or more QC falls outside acceptance criteria. Data entered into LIMS for informational purposes only.
 - ISL Internal Standard concentration is above acceptance criteria.
 - MSH Internal Standard concentration is below acceptance criteria.
 - MSI Matrix Spike High - Matrix Spike recovery above method limits.
 - MSL Matrix Spike Interference - Matrix spike source sample contains analyte hit above calibration affecting recovery accuracy in Matrix Spike.
 - TPP
 - U Matrix Spike Low - Matrix Spike recovery below lower method limit, analyte chromatography reviewed manually for all samples.
- Internal Standard concentration outside control limit due to matrix interference



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