

SUMMARY OF ANALYSIS (SAMPLE ID: SA42277)

Testing Location:	Customer ID: 2161	Order ID: OR11818	Sample Type: Primary
Arkansas	River Valley Relief Cultivation	Lot Number:	Matrix: Flower
232 S. Broadview St.	5601 Old Greenwood Rd Suite C	M00065C13132893741	Mass: 23g
Greenbrier, AR 72058	Fort Smith, AR 72903	Production Run:	Date Collected: 09/25/2025
License: ADH 113	License: 00065C	3108H20250818KLP-1	Date Received: 09/25/2025
Cultivar (Strain) or Sample Description: Key Lime Pie			Date Completed: 09/29/2025

*This page is simply a summary of the analysis performed. For analytical details, please consult the individual Certificate(s) of Analysis for each of the specific test(s) performed. All contaminant action levels are referenced from the State of Arkansas MMJ testing guidelines.

*Where provided, statements of conformity (e.g. Pass/Fail) are made in accordance with ILAC G8, Binary Statement for Simple Acceptance Rule (w=0, AL=TL).
PASS: when the result is within the acceptance interval. FAIL: when the result is outside the acceptance interval

Moisture Content (%)

13.3

Water Activity (aw)

0.469 @ 24.7°C

PASS/FAIL

PASS

Moisture content/water activity action levels are referenced from the State of Arkansas MMJ testing guidelines.

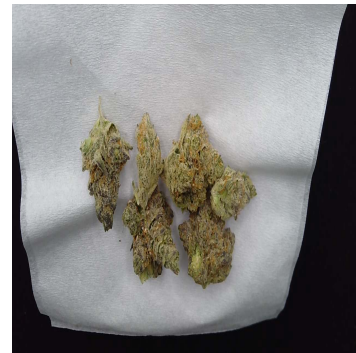
Moisture content levels less than 15% are recommended but the sample does not fail. Water activity levels must be less than 0.65aw.

Cannabinoids (Top 3)	(%)	mg/g
THCA	29.6	296
CBGA	1.39	13.9
Δ9-THC	0.416	4.16
TOTAL CBD	0.000	0.000
TOTAL THC	26.4	264
TOTAL CANNABINOIDS	31.6	316

Terpenes (Top 5)	(%)	ppm
β-Myrcene	0.467	4670
β-Caryophyllene	0.365	3650
d-Limonene	0.345	3450
Linalool	0.340	3400
α-Humulene	0.160	1600
TOTAL TERPENES	2.24	22400

Contaminants	PASS/FAIL
Heavy Metals:	PASS
Microbiology:	PASS
Pesticides:	PASS

Sample Picture Upon Receipt



Scan the QR code to verify results.

This information is provided as a service and makes no claims of efficacy and/or safety of this product.

Results are applicable only for the sample(s) analyzed and for the specific analysis conducted.

This report is for informational purposes only and should not be used to diagnose, treat, or prevent any medical-related symptoms.

The statements and results herein have not been approved and/or endorsed by the FDA.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full, without the written consent of
Felling Analytical Services and Technology (F.A.S.T.), LLC

www.FASTLaboratories.com

F.A.S.T. Personnel perform sampling following the Sampling SOP (SOP-02).

Kyle W. Felling
Kyle W. Felling, Ph.D.
Laboratory Director



CERTIFICATE OF ANALYSIS (SAMPLE ID: SA42277)

Testing Location:	Customer ID: 2161	Order ID: OR11818	Sample Type: Primary
Arkansas	River Valley Relief Cultivation	Lot Number:	Matrix: Flower
232 S. Broadview St.	5601 Old Greenwood Rd Suite C	M00065C13132893741	Mass: 23g
Greenbrier, AR 72058	Fort Smith, AR 72903	Production Run:	Date Collected: 09/25/2025
License: ADH 113	License: 00065C	3108H20250818KLP-1	Date Received: 09/25/2025
Cultivar (Strain) or Sample Description: Key Lime Pie			Date Completed: 09/29/2025

CANNABINOID (POTENCY) PROFILE (SOP: SOP-CANN-001)

Analysis Date/Time: 09/28/2025 1419

Method: HPLC/DAD

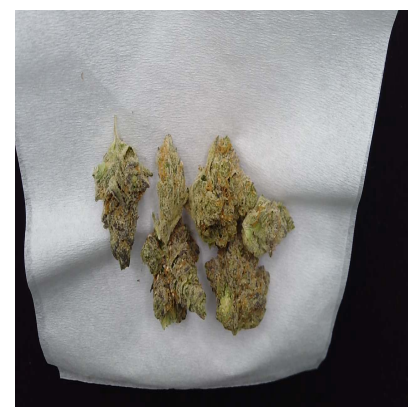
Moisture Content (%): 13.3

Analyst: PW

Instrument: Agilent 1100

Water Activity (aw): 0.469 @ 24.7°C

<u>Cannabinoid</u>	<u>Result (%)</u>	<u>Result (mg/g)</u>	<u>LOD (mg/g)</u>	<u>LOQ (mg/g)</u>	<u>Result (mg/mL)</u>	<u>Per Serving (mg)</u>	<u>Per Unit (mg)</u>
CBC	ND	ND	0.0432	0.101	-	0.000	0.000
CBCA	ND	ND	0.134	0.313	-	0.000	0.000
CBD	ND	ND	0.305	0.712	-	0.000	0.000
CBDV	ND	ND	0.112	0.262	-	0.000	0.000
CBDVA	ND	ND	0.0489	0.114	-	0.000	0.000
CBDVA	ND	ND	0.130	0.305	-	0.000	0.000
CBG	ND	ND	0.198	0.462	-	0.000	0.000
CBGA	1.39	13.9	0.281	0.331	-	12.1	12.1
CBL	ND	ND	0.229	0.534	-	0.000	0.000
CBN	ND	ND	0.105	0.245	-	0.000	0.000
CBNA	ND	ND	0.113	0.264	-	0.000	0.000
Δ9-THC	0.416	4.16	0.126	0.294	-	3.61	3.61
Δ8-THC	ND	ND	0.196	0.459	-	0.000	0.000
THCA	29.6	296	0.0683	0.160	-	257	257
THCV	ND	ND	0.164	0.382	-	0.000	0.000
THCVA	0.0953	0.953	0.0523	0.122	-	0.827	0.827
TOTAL	31.6	316			-	274	274
TOTAL CBC	0.000	0.000			-	0.000	0.000
TOTAL CBD	0.000	0.000			-	0.000	0.000
TOTAL CBDV	0.000	0.000			-	0.000	0.000
TOTAL CBG	1.22	12.2			-	10.6	10.6
TOTAL CBN	0.000	0.000			-	0.000	0.000
TOTAL THC	26.4	264			-	229	229
TOTAL THCV	0.0827	0.827			-	0.717	0.717



SERVING MASS (g): 1.00
SERVINGS/UNIT: 1

"-" Not reported for this sample.

Deviations from standard operating procedure:
None

Recoveries for all analyte standards: 90-110%
Replicate Uncertainties: <5% RSD, <20% RPD
Sample/Reagent Blanks: <RL for all analytes

Values for plant matter are adjusted for moisture content.
Dry percent = Wet percent / (1 - (Moisture Content / 100))

Total CBC = (CBCA x 0.877) + CBC
Total CBD = (CBDV x 0.877) + CBD
Total CBDV = (CBDVA x 0.867) + CBDV
Total CBG = (CBGA x 0.878) + CBG
Total CBN = (CBNA x 0.876) + CBN
Total THC = (THCA x 0.877) + Δ9-THC
Total THCV = (THCVA x 0.867) + THCV

Percentage results are reported by mass.

mg/g results are reported as mass component per mass material.

Abbreviations: DAD - Diode Array Detector, HPLC - High Pressure Liquid Chromatography, RL - Reporting Limit, RPD - Relative Percent Difference, RSD - Relative Standard Deviation, DET - Detected (less than LOQ), LOD - Limit of Detection, LOQ - Limit of Quantitation, ND - Not Detected (less than LOD)

This information is provided as a service and makes no claims of efficacy and/or safety of this product. Results are applicable only for the sample(s) analyzed and for the specific analysis conducted. This report is for informational purposes only and should not be used to diagnose, treat, or prevent any medical-related symptoms.

The statements and results herein have not been approved and/or endorsed by the FDA.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full, without the written consent of Felling Analytical Services and Technology (F.A.S.T.), LLC

www.FASTLaboratories.com

F.A.S.T. Personnel perform sampling following the Sampling SOP (SOP-02).

Kyle W. Felling
Kyle W. Felling, Ph.D.
Laboratory Director



CERTIFICATE OF ANALYSIS (SAMPLE ID: SA42277)

Testing Location:	Customer ID: 2161	Order ID: OR11818	Sample Type: Primary
Arkansas	River Valley Relief Cultivation	Lot Number:	Matrix: Flower
232 S. Broadview St.	5601 Old Greenwood Rd Suite C	M00065C13132893741	Mass: 23g
Greenbrier, AR 72058	Fort Smith, AR 72903	Production Run:	Date Collected: 09/25/2025
License: ADH 113	License: 00065C	3108H20250818KLP-1	Date Received: 09/25/2025
Cultivar (Strain) or Sample Description: Key Lime Pie			Date Completed: 09/29/2025

TERPENOID PROFILE

Analysis Date/Time: 09/28/2025 1947

Method: GC/MS

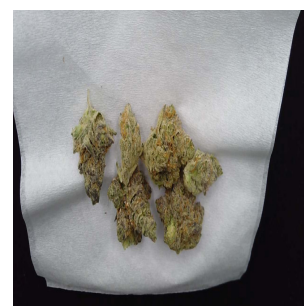
Deviations from SOP:

Analyst: KF

Instrument: Agilent 7890/5975

None

<u>Terpene</u>	<u>Result (ppm)</u>	<u>Result (%)</u>	<u>Terpene</u>	<u>Result (ppm)</u>	<u>Result (%)</u>
α-Bisabolol	611	0.0611	d-Limonene	3450	0.345
L-Borneol	ND	-	Linalool	3400	0.340
D-Borneol	116	0.0116	l-Menthone	ND	-
Camphene	130	0.0130	Menthol	100	0.0100
Camphor	ND	-	β-Myrcene	4670	0.467
δ-3-Carene	<LOQ	-	Nerol	95.8	0.00958
Carvacrol	ND	-	cis-Nerolidol	ND	-
Carvone	ND	-	trans-Nerolidol	365	0.0365
β-Caryophyllene	3650	0.365	Nootkatone	ND	-
Caryophyllene oxide	131	0.0131	cis-β-Ocimene	<LOQ	-
Cedrene	ND	-	trans-β-Ocimene	<LOQ	-
Cedrol	ND	-	Octyl acetate	ND	-
cis-Citral	ND	-	α-Phellandrene	<LOQ	-
trans-Citral	ND	-	Phytane	ND	-
Citronellol	ND	-	α-Pinene	427	0.0427
o-Cymene	ND	-	β-Pinene	610	0.0610
m-Cymene	ND	-	Piperitone	ND	-
p-Cymene	ND	-	Pulegone	ND	-
Eucalyptol	ND	-	Sabinene	ND	-
trans-β-Farnesene	124	0.0124	Sabinene hydrate	<LOQ	-
Farnesol 1	ND	-	Safranal	ND	-
Farnesol 2	443	0.0443	Squalene	146	0.0146
Fenchone	<LOQ	-	Terpinen-4-ol	<LOQ	-
Fenchyl alcohol	689	0.0689	α-Terpinene	<LOQ	-
Geraniol	167	0.0167	γ-Terpinene	<LOQ	-
Geranyl acetate	112	0.0112	α-Terpineol	640	0.0640
Guaiol	ND	-	Terpinolene	49.2	0.00492
α-Humulene	1600	0.160	α-Thujone	413	0.0413
Isoborneol	<LOQ	-	Thymol	67.1	0.00671
Isobornyl acetate	ND	-	Valencene	102	0.0102
d-Isomenthone	<LOQ	-	d-Valerolactam	ND	-
Isopulegol	89.6	0.00896	Verbenone	<LOQ	-



Abbreviations: GC - Gas Chromatography, MS - Mass Spectrometry, RL - Reporting Limit

Abbreviations: ND - Not Detected, LOD - Limit of Detection, LOQ - Limit of Quantitation

This information is provided as a service and makes no claims of efficacy and/or safety of this product.

Results are applicable only for the sample(s) analyzed and for the specific analysis conducted.

This report is for informational purposes only and should not be used to diagnose, treat, or prevent any medical-related symptoms.

The statements and results herein have not been approved and/or endorsed by the FDA.

"-" Not detected above LOD.

TOTAL (ppm) 22400 (%) 2.24 **Reporting Limit (ppm):** 47.4

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full, without the written consent of Felling Analytical Services and Technology (F.A.S.T.), LLC

www.FASTLaboratories.com

F.A.S.T. Personnel perform sampling following the Sampling SOP (SOP-02).

Kyle W. Felling
Kyle W. Felling, Ph.D.
Laboratory Director



CERTIFICATE OF ANALYSIS (SAMPLE ID: SA42277)

Testing Location:	Customer ID: 2161	Order ID: OR11818	Sample Type: Primary
Arkansas	River Valley Relief Cultivation	Lot Number:	Matrix: Flower
232 S. Broadview St.	5601 Old Greenwood Rd Suite C	M00065C13132893741	Mass: 23g
Greenbrier, AR 72058	Fort Smith, AR 72903	Production Run:	Date Collected: 09/25/2025
License: ADH 113	License: 00065C	3108H20250818KLP-1	Date Received: 09/25/2025
Cultivar (Strain) or Sample Description: Key Lime Pie			Date Completed: 09/29/2025

PESTICIDES PROFILE (SOP: SOP-PEST-001)

Analysis Date/Time: 09/28/2025 1404

Analyst: KF

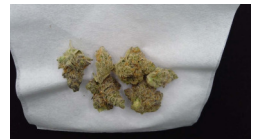
Method: LC/MS/MS

Instrument: Shimadzu LC-8050

Deviations from SOP:

None

Pesticide	Result (ppm)	LOD (ppm)	LOQ (ppm)	Action Level (ppm)	Pesticide	Result (ppm)	LOD (ppm)	LOQ (ppm)	Action Level (ppm)
Abamectin (71751-41-2)	-	0.0466	0.373	0.5	Kresoxim-methyl (143390-89-0)	-	0.0466	0.373	0.4
Acephate (30560-19-1)	-	0.0466	0.373	0.4	Malathion (121-75-5)	-	0.0466	0.373	0.2
Acetaminocyl (57960-19-7)	-	0.0466	0.373	2	Metalaxyl (57837-19-1)	-	0.0466	0.373	0.2
Acetamiprid (135410-20-7)	-	0.0466	0.373	0.2	Methiocarb (2032-65-7)	-	0.0466	0.373	0.2
Aldicarb (116-06-3)	-	0.0466	0.373	0.4	Methomyl (16752-77-5)	-	0.0466	0.373	0.4
Azoxystrobin (131860-33-8)	-	0.0466	0.373	0.2	Methyl parathion (298-0-0)	-	0.0466	0.373	0.2
Bifenazate (149877-41-8)	-	0.0466	0.373	0.2	MGK 264 (113-48-4)	-	0.0466	0.373	0.2
Bifenthrin (82657-04-3)	-	0.0466	0.373	0.2	Myclobutanil (88671-89-0)	-	0.0466	0.373	0.2
Boscalid (188425-85-6)	-	0.0466	0.373	0.4	Naled (300-76-5)	-	0.0466	0.373	0.5
Carbaryl (63-25-2)	-	0.0466	0.373	0.2	Oxamyl (23135-22-0)	-	0.0466	0.373	1
Carbofuran (1563-66-2)	-	0.0466	0.373	0.2	Paclobutrazol (76738-62-0)	-	0.0466	0.373	0.4
Chlorantraniliprole (800008-45-7)	-	0.0466	0.373	0.2	Permethrins (52645-53-1)	-	0.0466	0.373	0.2
Chlorfenapyr (122453-73-0)	-	0.0466	0.373	1	Phosmet (732-11-6)	-	0.0466	0.373	0.2
Chlorpyrifos (2921-88-2)	-	0.0466	0.373	0.2	Piperonyl butoxide (51-03-6)	-	0.0466	0.373	2
Clofentezine (74115-24-5)	-	0.0466	0.373	0.2	Prallethrins (2331-36-9)	-	0.0466	0.373	0.2
Cyfluthrin (68359-37-5)	-	0.0466	0.373	1	Propiconazole (60207-90-1))	-	0.0466	0.373	0.4
Cypermethrin (52315-07-8)	-	0.0466	0.373	1	Propoxur (114-26-1)	-	0.0466	0.373	0.2
Daminozide (1596-84-5)	-	0.0466	0.373	1	Pyrethrins (8003-34-7)	-	0.0466	0.373	1
DDVP (62-73-7)	-	0.0466	0.373	0.1	Pyridaben (96489-71-3)	-	0.0466	0.373	0.2
Diazinon (333-41-5)	-	0.0466	0.373	0.2	Spinosad (168316-95-8)	-	0.0466	0.373	0.2
Dimethoate (60-51-5)	-	0.0466	0.373	0.2	Spiromesifen (283594-90-1)	-	0.0466	0.373	0.2
Ethoprophos (13194-48-4)	-	0.0466	0.373	0.2	Spirotetramat (203313-25-1)	-	0.0466	0.373	0.2
Etofenprox (80844-07-1)	-	0.0466	0.373	0.4	Spiroxamine (118134-30-8)	-	0.0466	0.373	0.4
Etoxazole (153233-91-1)	-	0.0466	0.373	0.2	Tebuconazole (80443-41-0)	-	0.0466	0.373	0.4
Fenoxycarb (72490-01-8)	-	0.0466	0.373	0.2	Thiacloprid (111988-49-9)	-	0.0466	0.373	0.2
(E)-Fenpyroximate (134098-61-6)	-	0.0466	0.373	0.4	Thiamethoxam (153719-23-4)	-	0.0466	0.373	0.2
Fipronil (120068-37-3)	-	0.0466	0.373	0.4	Trifloxystrobin (141517-21-7)	-	0.0466	0.373	0.2
Flonicamid (158062-67-0)	-	0.0466	0.373	1					
Fludioxinil (131341-86-1)	-	0.0466	0.373	0.4					
Hexythiazox (78587-05-0)	-	0.0466	0.373	1					
Imazalil (35554-44-0)	-	0.0466	0.373	0.2					
Imidacloprid (138261-41-3)	-	0.0466	0.373	0.4					



Color Key

RESULT < AL
RESULT > AL

"DET" detected less than LOQ
"- " not detected above LOD

Permethrins measured as the cumulative residue of the *cis*- and *trans*- permethrin isomers.

Pyrethrins measured as the cumulative residue of the pyrethrin I, cinerin I, and jasmolin I isomers.

Action levels are referenced from the State of Arkansas MMJ testing guidelines.

A value of "-" for the action level means that analyte is not currently regulated by the regulations referenced above.

Disclaimer: This information is provided as a service and makes no claims of efficacy and/or safety of this product. Results are applicable only for the sample(s) analyzed and for the specific analysis conducted. This report is for informational purposes only and should not be used to diagnose, treat, or prevent any medical-related symptoms. The statements and results herein have not been approved and/or endorsed by the FDA.

Abbreviations: LC - Liquid Chromatography, MS - Mass Spectrometry, RL - Reporting Limit, AL - Action Level, CAS - Chemical Abstract Services, LOD - Limit of Detection, LOQ - Limit of Quantification

Pesticide	Synonym(s)	Pesticide	Synonym(s)	Pesticide	Synonym(s)
Cyfluthrin	Baythroid	Myclobutanil	Systhane	Propiconazole	Tilt
DDVP	Dichlorvos	Naled	Dibrom	Propoxur	Baygon
Ethoprophos	Prophos	Phosmet	Imidan		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full, without the written consent of Felling Analytical Services and Technology (F.A.S.T.), LLC

www.FASTLaboratories.com

F.A.S.T. Personnel perform sampling following the Sampling SOP (SOP-02).



CERTIFICATE OF ANALYSIS (SAMPLE ID: SA42277)

Testing Location: Arkansas 232 S. Broadview St. Greenbrier, AR 72058 License: ADH 113	Customer ID: 2161 River Valley Relief Cultivation 5601 Old Greenwood Rd Suite C Fort Smith, AR 72903 License: 00065C	Order ID: OR11818 Lot Number: M00065C13132893741 Production Run: 3108H20250818KLP-1	Sample Type: Primary Matrix: Flower Mass: 23g Date Collected: 09/25/2025 Date Received: 09/25/2025
Cultivar (Strain) or Sample Description: Key Lime Pie			Date Completed: 09/29/2025

HEAVY METAL PROFILE (SOP: SOP-ICP-200.6)

Analysis Date/Time: 09/28/2025 1729

Method: ICP/MS

Deviations from SOP:

Instrument: Agilent 7700x

None

Analyst: KF

Heavy Metal	Result (ppb)	LOD (ppb)	LOQ (ppb)	Action Level (ppb)
Arsenic (As)	ND	54.5	86.3	200
Cadmium (Cd)	ND	54.5	86.3	200
Lead (Pb)	ND	54.5	86.3	500
Mercury (Hg)	ND	54.5	86.3	100



Abbreviations: ICP - Inductively-Coupled Plasma, MS - Mass Spectrometry,
RL - Reporting Limit, AL - Action Level, LOD - Limit of Detection, LOQ - Limit of Quantitation

Color Key

RESULT < AL
RESULT > AL

"DET" detected less than LOQ

"ND" not detected above LOD

Reporting limit is 1/2 the action level of each analyte.

Action levels for heavy metals are referenced from the State of Arkansas MMJ testing guidelines.

Disclaimer: This information is provided as a service and makes no claims of efficacy and/or safety of this product. Results are applicable only for the sample(s) analyzed and for the specific analysis conducted. This report is for informational purposes only and should not be used to diagnose, treat, or prevent any medical-related symptoms. The statements and results herein have not been approved and/or endorsed by the FDA.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full, without the written consent of
Felling Analytical Services and Technology (F.A.S.T.), LLC

www.FASTLaboratories.com

F.A.S.T. Personnel perform sampling following the Sampling SOP (SOP-02).

Kyle W. Felling
Kyle W. Felling, Ph.D.
Laboratory Director



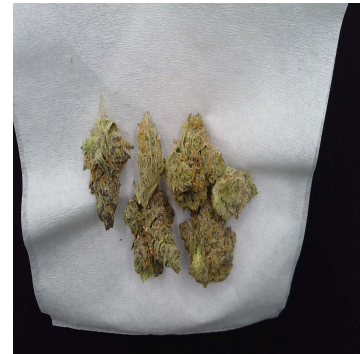
CERTIFICATE OF ANALYSIS (SAMPLE ID: SA42277)

Testing Location:	Customer ID: 2161	Sample ID: SA42277	Sample Type: Primary
Arkansas	River Valley Relief Cultivation	Lot Number:	Matrix: Flower
232 S. Broadview St.	5601 Old Greenwood Rd Suite C	M00065C13132893741	Mass: 23g
Greenbrier, AR 72058	Fort Smith, AR 72903	Production Run:	Date Collected: 09/25/2025
-	License: 00065C	3108H20250818KLP-1	Date Received: 09/25/2025
Cultivar (Strain) or Sample Description: Key Lime Pie			Date Completed: 09/29/2025

MICROBIOLOGICAL PROFILE (SOP: SOP-Micro-001)

Analysis Date/Time: 09/28/2025 1101
Analyst: PW
Method: Hardy Diagnostics CompactDry
Instrument: Thermo Incubator
Deviations from SOP: None

Bacteria/Microbe	Result (CFU/g)	Action Level (CFU/g)
Aerobic Plate Count	NT	-
Coliforms, Total	Absent	1
Escherichia Coli (E. Coli)	Absent	100
Mold/Yeast	NT	-
Pseudomonas aeruginosa	NT	-
Salmonella spp.	NT	-
Staphylococcus aureus	NT	-



Abbreviations: EC - Escherichia Coli, CFU - Colony-Forming Unit, RL - Reporting Limit,
 AL - Action Level, TNTC - Too Numerous To Count, NT - Not Tested
 Absent - Not Detected Above RL, Present - Detected Above RL

Color Key

RESULT < AL

RESULT > AL

Reporting Limit (CFU/g)

1

Action levels for microbiology are referenced from the State of Arkansas MMJ testing guidelines.
 A value of "-" for the action level means that analyte is not currently regulated by the regulations referenced above.

Disclaimer: This information is provided as a service and makes no claims of efficacy and/or safety of this product. Results are applicable only for the sample(s) analyzed and for the specific analysis conducted. This report is for informational purposes only and should not be used to diagnose, treat, or prevent any medical-related symptoms. The statements and results herein have not been approved and/or endorsed by the FDA.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full, without the written consent of
 Felling Analytical Services and Technology (F.A.S.T.), LLC

www.FASTLaboratories.com

F.A.S.T. Personnel perform sampling following the Sampling SOP (SOP-02).

Kyle W. Felling
 Kyle W. Felling, Ph.D.
 Laboratory Director

