



Confidence Analytics

Cannabis Analytical Chemistry Laboratory

WSLCB License # 0003 | 14797 NE 95th St, Redmond, WA 98052 | (206) 743-8843 | info@confabs.com

Certified For: Cannabinoids | Microbiologicals | Mycotoxins | Foreign Matter
Pesticides | Heavy Metals | Terpenes | Residual Solvents | Moisture

I-502 Certificate of Analysis



Official Test Results for Laboratory Sample # WA-240407-014

Origination:

Royal Tree
Address:
2909 S Alaska St Pmb 31
TACOMA, WA 98409

Sample Name:

Bulk Flower Lot - Middlefork

Type:

Flower

License #:

412425

UBI #:

603349381

Inventory #:

20347254881249035

QA #:

20347254881249035

Approved By:

T. Sasaki, Ph.D., CSO
S. Stevens, LDR

Date of Harvest:

(not provided)

Date of Receipt:

2024-04-05

Date of Testing:

2024-04-08

Pass/Fail Summary

Foreign Matter + Seeds: **PASS** Microbes: **PASS** Pesticides: **PASS**
Water Activity: **PASS** Mycotoxins: **PASS** Heavy Metals: **NE**
Residual Solvents: **NE**



Cannabinoid Profile (units of measure are by weight)

LABEL INFO

d9-THC max

16%, 160mg/g

160mg/unit

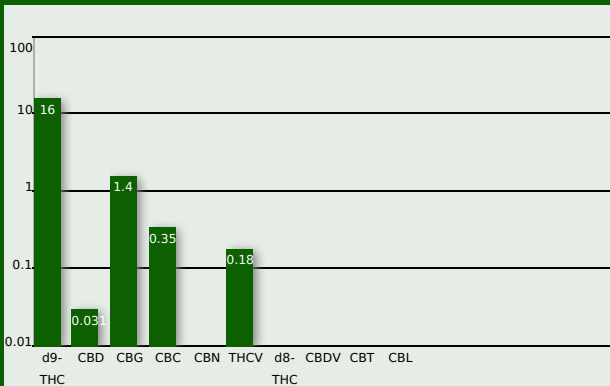
CBD max

0.031%, 0.31mg/g

0.31mg/unit

Total Canna. (raw sum): 20%, 200mg/g, 200mg/unit

*Calculated with a default Unit Size of 1 gram.



Total Active by Cannabinoid

ANALYTE	%	MG/G	MG/UNIT*
cbc	ND	ND	ND
cbca	0.4	4	4
cbd	ND	ND	ND
cbda	0.035	0.35	0.35
cbdvd	ND	ND	ND
cbdva	ND	ND	ND
cbg	0.056	0.56	0.56
cbga	1.5	15	15
cbl	ND	ND	ND
cbn	ND	ND	ND
cbna	ND	ND	ND
cbt	ND	ND	ND
d8-thc	ND	ND	ND
d9-thc	0.58	5.8	5.8
d9-thca	18	180	180
d9-thcv	ND	ND	ND
d9-thcva	0.21	2.1	2.1





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Sample: Bulk Flower Lot - Middlefork, Flower, **Inv #:** 20347254881249035, **QA #:** 20347254881249035

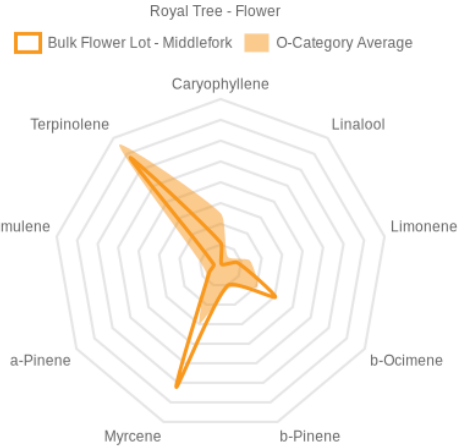
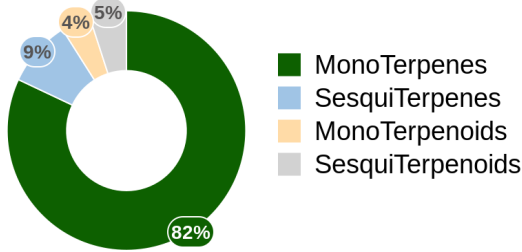
Date of Receipt: 2024-04-05, **Date of Testing:** 2024-04-08

Terpene Analysis

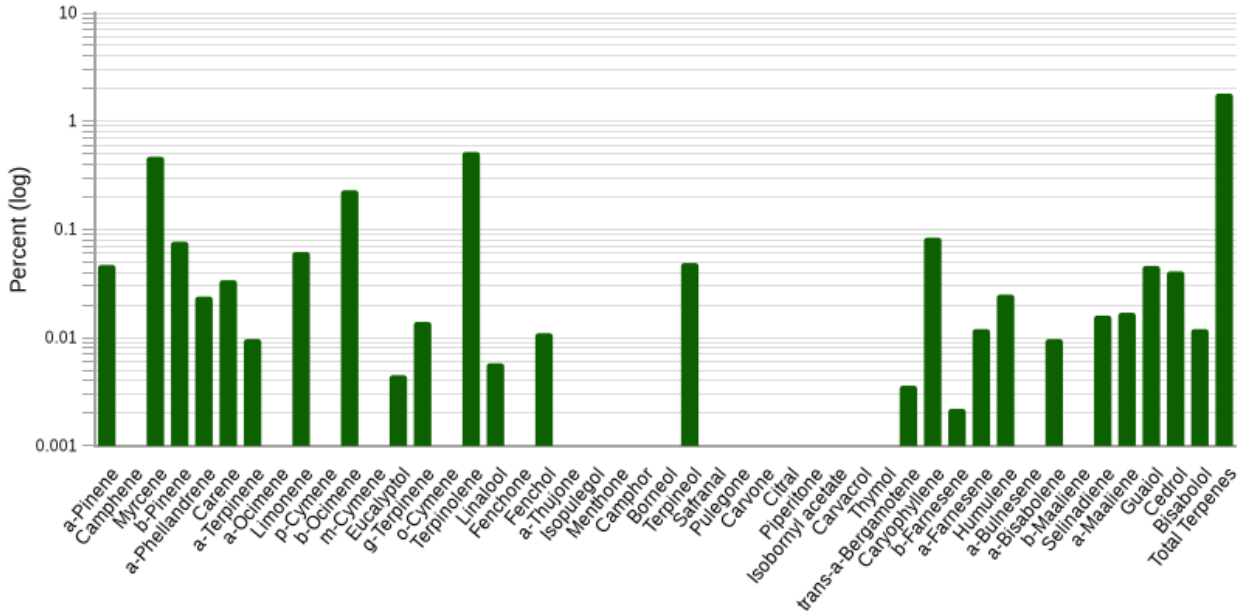
Top Three Most Abundant Terpenes:

terpinolene	0.52%
myrcene	0.47%
b-ocimene	0.23%
total terpenes	1.8%

Most to Least Volatile



Visit StrainDataProject.org to learn more





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Date of Receipt: 2024-04-05, **Date of Testing:** 2024-04-08

Analytes

Analyte Name	Analytical Method	Concentration	Action Limit	Units	MRL	LOQ	Pass/Fail	Test Date
cbc	Cannabinoids	< MRL	N/A	%	0.019	0.019	PASS	2024-04-08
cbca	Cannabinoids	0.4	N/A	%	0.019	0.019	PASS	2024-04-08
cbd	Cannabinoids	< MRL	N/A	%	0.019	0.019	PASS	2024-04-08
cbda	Cannabinoids	0.035	N/A	%	0.019	0.019	PASS	2024-04-08
cbdv	Cannabinoids	< MRL	N/A	%	0.019	0.019	PASS	2024-04-08
cbdva	Cannabinoids	< MRL	N/A	%	0.019	0.019	PASS	2024-04-08
cbg	Cannabinoids	0.056	N/A	%	0.019	0.019	PASS	2024-04-08
cbga	Cannabinoids	1.5	N/A	%	0.019	0.019	PASS	2024-04-08
cbl	Cannabinoids	< MRL	N/A	%	0.019	0.019	PASS	2024-04-08
cbn	Cannabinoids	< MRL	N/A	%	0.019	0.019	PASS	2024-04-08
cbna	Cannabinoids	< MRL	N/A	%	0.019	0.019	PASS	2024-04-08
cbt	Cannabinoids	< MRL	N/A	%	0.019	0.019	PASS	2024-04-08
d8-thc	Cannabinoids	< MRL	N/A	%	0.019	0.019	PASS	2024-04-08
d9-thc	Cannabinoids	0.58	N/A	%	0.019	0.019	PASS	2024-04-08
d9-thca	Cannabinoids	18	N/A	%	0.019	0.019	PASS	2024-04-08
d9-thcv	Cannabinoids	< MRL	N/A	%	0.019	0.019	PASS	2024-04-08
d9-thcva	Cannabinoids	0.21	N/A	%	0.019	0.019	PASS	2024-04-08
raw total cannabinoids	Cannabinoids	20	N/A	%			PASS	2024-04-08
total active cbd	Cannabinoids	0.031	N/A	%			PASS	2024-04-08
total active d9-thc	Cannabinoids	16	N/A	%			PASS	2024-04-08
btgn	Microbes	< MRL	10000	CFU/g	500	500	PASS	2024-04-08
e coli	Microbes	< MRL	N/A	CFU/g	0	0	PASS	2024-04-08
salmonella	Microbes	< MRL	N/A	CFU/g	0	0	PASS	2024-04-08
water activity	Water Activity	0.53	0.65	aw	0	0	PASS	2024-04-08
aflatoxin b1	Mycotoxins	< MRL	20	ppb	5	5	PASS	2024-04-08
aflatoxin b2	Mycotoxins	< MRL	20	ppb	5	5	PASS	2024-04-08
aflatoxin g1	Mycotoxins	< MRL	20	ppb	5	5	PASS	2024-04-08
aflatoxin g2	Mycotoxins	< MRL	20	ppb	5	5	PASS	2024-04-08
ochratoxin a	Mycotoxins	< MRL	20	ppb	10	10	PASS	2024-04-08
total aflatoxins	Mycotoxins	< MRL	20	ppb			PASS	2024-04-08
a-bisabolene ³	Terpenes	97	N/A	ppm	19	38	PASS	2024-04-08
a-bulnesene ³	Terpenes	< MRL	N/A	ppm	19	38	PASS	2024-04-08
a-farnesene ³	Terpenes	120	N/A	ppm	19	38	PASS	2024-04-08
a-maaliene ³	Terpenes	170	N/A	ppm	19	38	PASS	2024-04-08
a-ocimene	Terpenes	< MRL	N/A	ppm	19	38	PASS	2024-04-08
a-phellandrene	Terpenes	240	N/A	ppm	19	38	PASS	2024-04-08
a-pinene	Terpenes	470	N/A	ppm	19	38	PASS	2024-04-08
a-terpinene	Terpenes	97	N/A	ppm	19	38	PASS	2024-04-08





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Analytes

Analyte Name	Analytical Method	Concentration	Action Limit	Units	MRL	LOQ	Pass/Fail	Test Date
a-thujone	Terpenes	< MRL	N/A	ppm	19	38	PASS	2024-04-08
b-farnesene	Terpenes	22 ¹	N/A	ppm	19	38	PASS	2024-04-08
b-maaliene ³	Terpenes	< MRL	N/A	ppm	19	38	PASS	2024-04-08
b-ocimene	Terpenes	2300	N/A	ppm	19	38	PASS	2024-04-08
b-pinene	Terpenes	770	N/A	ppm	19	38	PASS	2024-04-08
bisabolol	Terpenes	120	N/A	ppm	19	38	PASS	2024-04-08
borneol	Terpenes	< MRL	N/A	ppm	150	300	PASS	2024-04-08
camphene	Terpenes	< MRL	N/A	ppm	19	38	PASS	2024-04-08
camphor	Terpenes	< MRL	N/A	ppm	19	38	PASS	2024-04-08
carene	Terpenes	340	N/A	ppm	19	38	PASS	2024-04-08
carvacrol	Terpenes	< MRL	N/A	ppm	19	38	PASS	2024-04-08
carvone	Terpenes	< MRL	N/A	ppm	19	38	PASS	2024-04-08
caryophyllene	Terpenes	840	N/A	ppm	19	38	PASS	2024-04-08
cedrol	Terpenes	410	N/A	ppm	19	38	PASS	2024-04-08
citral	Terpenes	< MRL	N/A	ppm	19	38	PASS	2024-04-08
eucalyptol	Terpenes	45	N/A	ppm	19	38	PASS	2024-04-08
fenchol	Terpenes	110	N/A	ppm	19	38	PASS	2024-04-08
fenchone	Terpenes	< MRL	N/A	ppm	19	38	PASS	2024-04-08
g-terpinene	Terpenes	140	N/A	ppm	19	38	PASS	2024-04-08
guaial	Terpenes	460	N/A	ppm	19	38	PASS	2024-04-08
humulene	Terpenes	250	N/A	ppm	19	38	PASS	2024-04-08
isobornyl acetate	Terpenes	< MRL	N/A	ppm	19	38	PASS	2024-04-08
isopulegol	Terpenes	< MRL	N/A	ppm	19	38	PASS	2024-04-08
limonene	Terpenes	620	N/A	ppm	19	38	PASS	2024-04-08
linalool	Terpenes	58	N/A	ppm	19	38	PASS	2024-04-08
m-cymene	Terpenes	< MRL	N/A	ppm	19	38	PASS	2024-04-08
menthone	Terpenes	< MRL	N/A	ppm	19	38	PASS	2024-04-08
myrcene	Terpenes	4700	N/A	ppm	19	38	PASS	2024-04-08
o-cymene	Terpenes	< MRL	N/A	ppm	19	38	PASS	2024-04-08
p-cymene	Terpenes	< MRL	N/A	ppm	19	38	PASS	2024-04-08
piperitone	Terpenes	< MRL	N/A	ppm	19	38	PASS	2024-04-08
pulegone	Terpenes	< MRL	N/A	ppm	19	38	PASS	2024-04-08
safranal	Terpenes	< MRL	N/A	ppm	19	38	PASS	2024-04-08
selinadiene ³	Terpenes	160	N/A	ppm	19	38	PASS	2024-04-08
terpineol	Terpenes	490	N/A	ppm	19	38	PASS	2024-04-08
terpinolene	Terpenes	5200	N/A	ppm	19	38	PASS	2024-04-08
thymol	Terpenes	< MRL	N/A	ppm	19	38	PASS	2024-04-08
total terpenes ³	Terpenes	18000	N/A	ppm			PASS	2024-04-08



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Analytes

Analyte Name	Analytical Method	Concentration	Action Limit	Units	MRL	LOQ	Pass/Fail	Test Date
trans-a-bergamotene ³	Terpenes	36 ¹	N/A	ppm	19	38	PASS	2024-04-08
acephate	LC Pesticides	< MRL	0.4	ppm	0.019	0.019	PASS	2024-04-08
acequinocyl	LC Pesticides	< MRL	2	ppm	0.48	0.48	PASS	2024-04-08
acetamiprid	LC Pesticides	< MRL	0.2	ppm	0.019	0.019	PASS	2024-04-08
aldicarb	LC Pesticides	< MRL	0.4	ppm	0.019	0.019	PASS	2024-04-08
avermectin b1a	LC Pesticides	< MRL	0.5	ppm	0.077	0.077	PASS	2024-04-08
avermectin b1b	LC Pesticides	< MRL	0.5	ppm	0.077	0.077	PASS	2024-04-08
azoxystrobin	LC Pesticides	< MRL	0.2	ppm	0.019	0.019	PASS	2024-04-08
bifenazate	LC Pesticides	< MRL	0.2	ppm	0.019	0.019	PASS	2024-04-08
bifenthrin	LC Pesticides	< MRL	0.2	ppm	0.019	0.019	PASS	2024-04-08
boscalid	LC Pesticides	< MRL	0.4	ppm	0.039	0.039	PASS	2024-04-08
carbaryl	LC Pesticides	< MRL	0.2	ppm	0.019	0.019	PASS	2024-04-08
carbofuran	LC Pesticides	< MRL	0.2	ppm	0.019	0.019	PASS	2024-04-08
chlorantraniliprole	LC Pesticides	< MRL	0.2	ppm	0.019	0.019	PASS	2024-04-08
chlorfenapyr	GC Pesticides	< MRL	1	ppm	0.4	0.4	PASS	2024-04-08
chlorpyrifos	GC Pesticides	< MRL	0.2	ppm	0.1	0.1	PASS	2024-04-08
cis-permethrin	LC Pesticides	< MRL	0.2	ppm	0.019	0.019	PASS	2024-04-08
clofentezine	LC Pesticides	< MRL	0.2	ppm	0.019	0.019	PASS	2024-04-08
cyfluthrin	GC Pesticides	< MRL	1	ppm	0.4	0.4	PASS	2024-04-08
cypermethrin	GC Pesticides	< MRL	1	ppm	0.9	0.9	PASS	2024-04-08
daminozide	LC Pesticides	< MRL	1	ppm	0.19	0.19	PASS	2024-04-08
diazinon	LC Pesticides	< MRL	0.2	ppm	0.019	0.019	PASS	2024-04-08
dichlorvos	LC Pesticides	< MRL	0.1	ppm	0.019	0.019	PASS	2024-04-08
dimethoate	LC Pesticides	< MRL	0.2	ppm	0.019	0.019	PASS	2024-04-08
ethoprophos	LC Pesticides	< MRL	0.2	ppm	0.019	0.019	PASS	2024-04-08
etofenprox	LC Pesticides	< MRL	0.4	ppm	0.019	0.019	PASS	2024-04-08
etoxazole	LC Pesticides	< MRL	0.2	ppm	0.019	0.019	PASS	2024-04-08
fenoxycarb	LC Pesticides	< MRL	0.2	ppm	0.019	0.019	PASS	2024-04-08
fenpyroximate	LC Pesticides	< MRL	0.4	ppm	0.019	0.019	PASS	2024-04-08
fipronil	LC Pesticides	< MRL	0.4	ppm	0.019	0.019	PASS	2024-04-08
flonicamid	LC Pesticides	< MRL	1	ppm	0.039	0.039	PASS	2024-04-08
fludioxonil	LC Pesticides	< MRL	0.4	ppm	0.019	0.019	PASS	2024-04-08
hexythiazox	LC Pesticides	< MRL	1	ppm	0.019	0.019	PASS	2024-04-08
imazalil	LC Pesticides	< MRL	0.2	ppm	0.019	0.019	PASS	2024-04-08
imidacloprid	LC Pesticides	< MRL	0.4	ppm	0.019	0.019	PASS	2024-04-08
kresoxim-methyl	LC Pesticides	< MRL	0.4	ppm	0.019	0.019	PASS	2024-04-08
malathion	LC Pesticides	< MRL	0.2	ppm	0.019	0.019	PASS	2024-04-08
metalaxyl	LC Pesticides	< MRL	0.2	ppm	0.019	0.019	PASS	2024-04-08





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Analytes

Analyte Name	Analytical Method	Concentration	Action Limit	Units	MRL	LOQ	Pass/Fail	Test Date
methiocarb	LC Pesticides	< MRL	0.2	ppm	0.019	0.019	PASS	2024-04-08
methomyl	LC Pesticides	< MRL	0.4	ppm	0.019	0.019	PASS	2024-04-08
methyl parathion	GC Pesticides	< MRL	0.2	ppm	0.1	0.1	PASS	2024-04-08
mgk 264 a	GC Pesticides	< MRL	0.2	ppm	0.05	0.05	PASS	2024-04-08
mgk 264 b	GC Pesticides	< MRL	0.2	ppm	0.05	0.05	PASS	2024-04-08
myclobutanil	LC Pesticides	< MRL	0.2	ppm	0.019	0.019	PASS	2024-04-08
naled	LC Pesticides	< MRL	0.5	ppm	0.019	0.019	PASS	2024-04-08
oxamyl	LC Pesticides	< MRL	1	ppm	0.019	0.019	PASS	2024-04-08
paclobutrazol	LC Pesticides	< MRL	0.4	ppm	0.019	0.019	PASS	2024-04-08
phosmet	LC Pesticides	< MRL	0.2	ppm	0.019	0.019	PASS	2024-04-08
piperonyl butoxide	LC Pesticides	< MRL	2	ppm	0.019	0.019	PASS	2024-04-08
prallethrin	LC Pesticides	< MRL	0.2	ppm	0.019	0.019	PASS	2024-04-08
propiconazole	LC Pesticides	< MRL	0.4	ppm	0.019	0.019	PASS	2024-04-08
propoxur	LC Pesticides	< MRL	0.2	ppm	0.019	0.019	PASS	2024-04-08
pyrethrin i	LC Pesticides	< MRL	1	ppm	0.077	0.077	PASS	2024-04-08
pyrethrin ii	LC Pesticides	< MRL	1	ppm	0.019	0.019	PASS	2024-04-08
pyridaben	LC Pesticides	< MRL	0.2	ppm	0.019	0.019	PASS	2024-04-08
spinosad a	LC Pesticides	< MRL	0.2	ppm	0.019	0.019	PASS	2024-04-08
spinosad d	LC Pesticides	< MRL	0.2	ppm	0.019	0.019	PASS	2024-04-08
spiromesifen	LC Pesticides	< MRL	0.2	ppm	0.019	0.019	PASS	2024-04-08
spirotetramat	LC Pesticides	< MRL	0.2	ppm	0.019	0.019	PASS	2024-04-08
spiroxamine	LC Pesticides	< MRL	0.4	ppm	0.019	0.019	PASS	2024-04-08
tebuconazole	LC Pesticides	< MRL	0.4	ppm	0.019	0.019	PASS	2024-04-08
thiacloprid	LC Pesticides	< MRL	0.2	ppm	0.019	0.019	PASS	2024-04-08
thiamethoxam	LC Pesticides	< MRL	0.2	ppm	0.019	0.019	PASS	2024-04-08
total abamectin	LC Pesticides	< MRL	0.5	ppm			PASS	2024-04-08
total mgk 264	GC Pesticides	< MRL	0.2	ppm			PASS	2024-04-08
total permethrins	LC Pesticides	< MRL	0.2	ppm			PASS	2024-04-08
total pyrethrins	LC Pesticides	< MRL	1	ppm			PASS	2024-04-08
total spinosads	LC Pesticides	< MRL	0.2	ppm			PASS	2024-04-08
trans-permethrin	LC Pesticides	< MRL	0.2	ppm	0.019	0.019	PASS	2024-04-08
trifloxystrobin	LC Pesticides	< MRL	0.2	ppm	0.019	0.019	PASS	2024-04-08
foreign matter - i.h.e.	Foreign Matter	< MRL	N/A	Boolean	0	0	PASS	2024-04-08
foreign matter - seeds & other	Foreign Matter	< MRL	2	%	0	0	PASS	2024-04-08
foreign matter - stems	Foreign Matter	< MRL	5	%	0	0	PASS	2024-04-08

[END OF ANALYTE TABLE]





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These testing results are certified by scientific examination of a single sample provided by the Producer/Processor. Confidence Analytics and its agents did not observe or participate in the sample selection process, and cannot confirm the authenticity of the sample or its representativeness of the associated lot/batch. The sample, as received, was homogenized before subsamples were drawn for specific analyses. Pass/Fail criteria are defined in WAC 314-55-102.

This report is supplemental to any other reports with the same analytic sample number.

THCmax (a.k.a. Total THC) = d9-THC + (THC-A * 0.877)

CBDmax (a.k.a. Total CBD) = CBD + (CBD-A * 0.877)

Total Cannabinoid is a raw sum of all measured cannabinoids.

In Traceability, Total Cannabinoid is a sum of THCmax and CBDmax.

Figures may differ slightly from traceability due to rounding.

¹Less than LOQ

²Greater than ULOQ

³Not included in ISO scope

ND = Not Detected

NE = Not Examined

MRL = Reporting Limit

<MRL = Not detected, or concentration below the MRL

LOD = Detection Limit

LOQ = Quantification Limit

ULOQ = Upper Quantification Limit

Analytical Methods Used

- Terpenes by HS-GC-FID
- Heavy Metals by ICP-MS
- Mycotoxins by LC-MS/MS
- Residual Solvents by HS-GC-MS
- Cannabinoids by UHPLC-DAD
- Foreign Material by Macroscopic Inspection
- Microbes by Plate Counting
- Moisture Content (Loss on Drying) by Loss on Drying
- LC Pesticides by LC-MS/MS
- GC Pesticides by GC-MS/MS
- Water Activity by HYDROMETER