

Research and Development Testing

SAMPLE NAME 20230523_THCAIsolate_001
METRC Sample: N/A
METRC Batch: N/A
Matrix: Concentrate
Type: Isolate
Strain: N/A
Batch size: N/A
Sample Size: N/A

Sample ID: 20230523_THCAIsolate_001
Collected: 5/23/23 12:00 AM
Received: 05/23/2023
Completed: 05/25/2023
Sampling Method SOP# 010

Distributor
 R&D Test Ltd.
 Lic. # N/A
 N/A
 N/A

COA ID: 20230523_THCAIsolate_001

Producer
 N/A
 Lic. # N/A
 N/A
 N/A

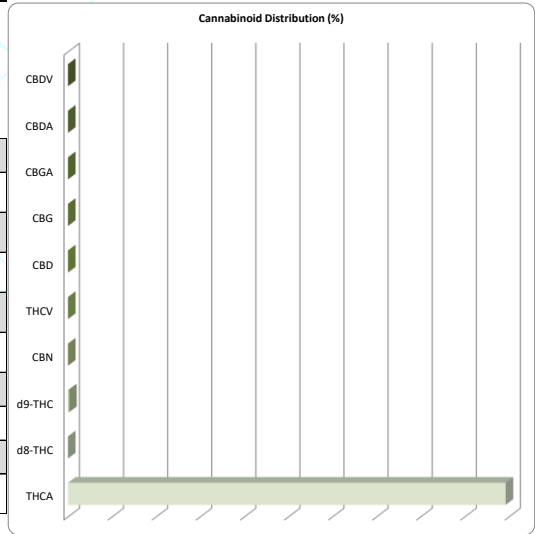


Summary			
Analytical Test	Date Tested	Method	Status
Batch	-	-	Pass
Cannabinoids	05/25/2023	NSL_Method_POT_001	Pass
Water Activity	Not Tested	NSL_Method_WATMC_001	N/T
Pesticides	05/24/2023	NSL_Method_PEST_001	Pass
Mycotoxins	05/24/2023	NSL_Method_PEST_001	Pass
Microbial Impurities	Not Tested	NSL_Method_BIO_001	N/T
Heavy Metals	05/24/2023	NSL_Method_MET_001	Pass
Residual Solvents	05/24/2023	NSL_Method_RSA_001	Pass
Foreign Material	Not Tested	NSL_Method_Format_001	N/T
Moisture Content	Not Tested	NSL_Method_WATMC_001	N/T

Cannabinoids
Instrument: HPLC-DAD
Method: NSL_Method_POT_001

Status: **Pass**
Analytical Batch: 20230524_POT_Batch1
Date Tested: 05/25/2023

Analyte	LOD		Sample Results				
	mg/g	mg/g	mg/g	%	mg/unit	mg/serving	
CBDV	1.4800	5.0000	ND	ND	N/A	N/A	
CBDA	1.3650	5.0000	ND	ND	N/A	N/A	
CBGA	1.0400	5.0000	ND	ND	N/A	N/A	
CBG	1.1350	5.0000	ND	ND	N/A	N/A	
CBD	1.1200	5.0000	ND	ND	N/A	N/A	
THCV	1.4900	5.0000	ND	ND	N/A	N/A	
CBN	1.1550	5.0000	ND	ND	N/A	N/A	
d9-THC	1.0150	5.0000	2.780	0.278	N/A	N/A	
d8-THC	1.5200	5.0000	ND	ND	N/A	N/A	
THCA	1.4300	5.0000	992.770	99.277	N/A	N/A	



	mg/g	%	mg/unit	mg/serving
TOTAL Cannabinoids	995.55	99.56	N/A	N/A

Moisture Content
Instrument: NSL_Method_WATMC_001
Method: NSL_Method_WATMC_001
Result (%): NT

Water Activity
Instrument: NSL_Method_WATMC_001
Method: NSL_Method_WATMC_001
Result (Aw): NT

Flower Action Limit
 0.65 Aw
Edibles Action Limit
 0.85 Aw

Status: **N/T**
Analytical Batch: N/A
Date Tested: Not Tested

QA Reviewer

Report Date: 05/25/2023

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San Diego, CA 92102

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Pesticides

Instrument: LC-MS/MS
Method: NSL_Method_PEST_001

Status:

Pass

Analytical Batch: 20230523_PESTMYC_Batch1
Date Tested: 05/24/2023

Analyte	LOD µg/g	LOQ µg/g	Action Limit µg/g	Result µg/g	Status
Abamectin	0.001875	0.075	0.10	ND	Pass
Acephate	0.001875	0.075	0.10	ND	Pass
Acequinocyl	0.000469	0.075	0.10	ND	Pass
Acetamiprid	0.000059	0.075	0.10	ND	Pass
Aldicarb	0.000469	0.075	0.000469	ND	Pass
Azoxystrobin	0.000117	0.075	0.10	ND	Pass
Bifenazate	0.000117	0.075	0.10	ND	Pass
Bifenthrin	0.000234	0.075	3.00	ND	Pass
Boscalid	0.000234	0.075	0.10	ND	Pass
Captan	0.150000	0.375	0.70	ND	Pass
Carbaryl	0.000469	0.075	0.50	ND	Pass
Carbofuran	0.000117	0.075	0.000117	ND	Pass
Chlorantraniliprole	0.000117	0.075	10.00	ND	Pass
Chlordane	0.007500	0.075	0.007500	ND	Pass
Chlorfenapyr	0.007500	0.075	0.007500	ND	Pass
Chlorpyrifos	0.000469	0.075	0.000469	ND	Pass
Clofentezine	0.000117	0.075	0.10	ND	Pass
Coumaphos	0.000117	0.075	0.000117	ND	Pass
Cyfluthrin	0.015000	0.075	2.00	ND	Pass
Cypermethrin	0.003750	0.075	1.00	ND	Pass
Daminozide	0.007500	0.075	0.007500	ND	Pass
Diazinon	0.000117	0.075	0.10	ND	Pass
Dichlorvos	0.001875	0.075	0.001875	ND	Pass
Dimethoate	0.000059	0.075	0.000059	ND	Pass
Dimethomorph	0.000015	0.075	2.00	ND	Pass
Ethoprophos	0.000469	0.075	0.000469	ND	Pass
Etofenprox	0.000234	0.075	0.000234	ND	Pass
Etoxazole	0.000059	0.075	0.10	ND	0
Fenhexamid	0.000938	0.075	0.10	ND	Pass
Fenoxycarb	0.000234	0.075	0.000234	ND	Pass
Fenpyroximate	0.000059	0.075	0.10	ND	Pass
Fipronil	0.000117	0.075	0.000117	ND	Pass
Fonicamid	0.000117	0.075	0.10	ND	Pass

Analyte	LOD µg/g	LOQ µg/g	Action Limit µg/g	Result µg/g	Status
Fludioxonil	0.000234	0.075	0.10	ND	Pass
Hexythiazox	0.000030	0.075	0.10	ND	Pass
Imazalil	0.000234	0.075	0.000234	ND	Pass
Imidacloprid	0.000117	0.075	5.00	ND	Pass
Kresoxim-methyl	0.000469	0.075	0.10	ND	Pass
Malathion	0.000234	0.075	0.50	ND	Pass
Metaxalyl	0.000117	0.075	2.00	ND	Pass
Methiocarb	0.000004	0.075	0.000004	ND	Pass
Methomyl	0.001875	0.075	1.00	ND	Pass
Methyl Parathion	0.003750	0.075	0.003750	ND	Pass
Mevinphos	0.000469	0.075	0.000469	ND	Pass
Myclobutanil	0.000117	0.075	0.10	ND	Pass
Naled	0.000469	0.075	0.10	ND	Pass
Oxamyl	0.000234	0.075	0.50	ND	Pass
Paclotrazol	0.000938	0.075	0.000938	ND	Pass
Pentachloronitrobenzene	0.003750	0.075	0.10	ND	Pass
Permethrin	0.000469	0.075	0.50	ND	Pass
Phosmet	0.000938	0.075	0.10	ND	Pass
Piperonyl Butoxide	0.000001	0.075	3.00	ND	Pass
Prallethrin	0.003750	0.075	0.10	ND	Pass
Propiconazole	0.000002	0.075	0.10	ND	Pass
Propoxur	0.000938	0.075	0.000938	ND	Pass
Pyrethrins	0.000598	0.034	0.50	ND	Pass
Pyridaben	0.000059	0.075	0.10	ND	Pass
Spinetoram	0.000285	0.072	0.10	ND	Pass
Spinosad	0.000412	0.074	0.10	ND	Pass
Spiromesifen	0.000234	0.075	0.10	ND	Pass
Spirotetramat	0.000059	0.075	0.10	ND	Pass
Spiroxamine	0.000117	0.075	0.000117	ND	Pass
Tebuconazole	0.000059	0.075	0.10	ND	Pass
Thiacloprid	0.000117	0.075	0.000117	ND	Pass
Thiamethoxam	0.000117	0.075	5.00	ND	Pass
Trifloxystrobin	0.000030	0.075	0.10	ND	Pass

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Producer
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Lic. # N/A
N/A
N/A

Mycotoxins

Instrument: LC-MS/MS
Method: NSL_Method_PEST_001

Status: **Pass**

Analytical Batch: 20230523_PESTMYC_Batch1
Date Tested: 05/24/2023

Analyte	LOD µg/kg	LOQ µg/kg	Action Limit µg/kg	Result µg/kg	Status
Aflatoxin B1	0.188	1.50	-	ND	-
Aflatoxin B2	0.094	1.50	-	ND	-
Aflatoxin G1	0.094	1.50	-	ND	-
Aflatoxin G2	0.094	1.50	-	ND	-
Total Aflatoxins	-	-	20.00	ND	Pass
Ochratoxin A	1.500	7.50	20.00	ND	Pass

Microbial Impurities

Instrument: BioRad CFX96
Method: NSL_Method_BIO_001

Status: **N/A**

Analytical Batch: N/A
Date Tested: Not Tested

Analyte	Result	Status
Aspergillus flavus*	NT	NT
Aspergillus fumigatus*	NT	NT
Aspergillus niger*	NT	NT
Aspergillus terreus*	NT	NT
Shiga toxin-producing E. Coli	NT	NT
Salmonella SPP	NT	NT

*Aspergillus species are only tested in inhalable cannabis and cannabis products

Heavy Metals

Instrument: ICP-MS
Method: NSL_Method_MET_001

Status: **Pass**

Analytical Batch: 20230524_MET_Batch1
Date Tested: 05/24/2023

Analyte	LOD µg/g	LOQ µg/g	Action Limit µg/g	Result µg/g	Status
Arsenic	0.0500	0.151	0.20	ND	Pass
Cadmium	0.0560	0.170	0.20	ND	Pass
Lead	0.0381	0.115	0.50	0.233	Pass
Mercury	0.0092	0.0258	0.10	<LOQ	Pass

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METRC Sample:	N/A			Producer	N/A
METRC Batch:	N/A			Distributor	R&D Test Ltd.
Matrix:	Concentrate	Sample ID:	20230523_THCAIsolate_001	Lic. #	N/A
Type:	Isolate	Collected:	5/23/23 12:00 AM	Lic. #	N/A
Strain:	N/A	Received:	05/23/2023	Lic. #	N/A
Batch size:	N/A	Completed:	05/24/2023	Lic. #	N/A
Sample Size:	N/A	Sampling Method	SOP# 010		

Residual Solvents

Instrument: GC-MS
Method: NSL_Method_RSA_001

Status: Pass

Analytical Batch: 20230524_RSA_Batch1
Date Tested: 05/24/2023

Analyte	LOD µg/g	LOQ µg/g	Action Limit µg/g	Result µg/g	Status
1,2-Dichloro-Ethane	0.083	0.252	1	ND	Pass
Acetone	0.220	0.666	5000	<LOQ	Pass
Acetonitrile	0.239	0.724	410	ND	Pass
Benzene	0.095	0.288	1	ND	Pass
Butane	0.418	1.267	5000	ND	Pass
Chloroform	0.082	0.248	1	ND	Pass
Ethanol	0.181	0.548	5000*	<LOQ	Pass
Ethyl-Acetate	0.240	0.728	5000	ND	Pass
Ethyl-Ether	0.209	0.633	5000	ND	Pass
Ethylene Oxide	0.083	0.251	1	ND	Pass
Heptane	0.224	0.679	5000	<LOQ	Pass
Isopropanol	0.239	0.726	5000*	ND	Pass
Methanol	0.397	1.203	3000	ND	Pass
Methylene-Chloride	0.098	0.296	1	ND	Pass
n-Hexane	0.245	0.743	290	ND	Pass
Pentane	0.238	0.721	5000	0.800369004	Pass
Propane	0.368	1.115	5000	ND	Pass
Toluene	0.284	0.860	890	ND	Pass
Trichloroethylene	0.088	0.268	1	ND	Pass
Xylenes**	0.973	2.948	2170	ND	Pass

*The action limit for ethanol does not apply to cannabis products that are tinctures or topicals; the action limit for isopropanol does not apply to cannabis products that are topicals
**Xylenes are reported as a total of ortho-, meta-, and para-xylene



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0.000

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