

CERTIFICATE OF ANALYSIS

PRODUCED: APR 12, 2021

SAMPLE: RASKAL BERRIES (RT-2) (FLOWER) // CLIENT: LUME / ATTITUDE WELLNESS // BATCH: PASS



BATCH NO.: 1A4050300005721000003174
METRC TAG: 1A4050300005721000003624
MATRIX: FLOWER
CATEGORY: INHALABLE
SAMPLE ID: CAM-210408-025
COLLECTED ON: APR 08, 2021
RECEIVED ON: APR 08, 2021
BATCH SIZE: 5580.69 GRAMS
SAMPLE SIZE: 28.6 GRAMS
SAMPLED BY: NELSON BAARSTAD

CANNABINOID OVERVIEW

THCA:	25 %
CBGA:	0.59 %
TOTAL CANNABINOIDS:	25.74 %

CULTIVATOR INFO

CULTIVATOR
LUME

LICENSE
AU-G-C-000109
ADULT-USE - CLASS C MARIHUANA
GROWER

BATCH RESULT: PASS

POTENCY	TESTED
FOREIGN	PASS
METALS	PASS
MICROBIAL	PASS
PESTICIDES	PASS
WATER	PASS

POT-01: CANNABINOID POTENCY ANALYSIS BY HPLC-DAD // APR 12, 2021

ANALYTE	AMT (%)	LOD/LOQ (µg/g)	PASS/FAIL	ANALYTE	AMT (%)	LOD/LOQ (µg/g)	PASS/FAIL
CBC	ND	0.0517/0.172	N/A	Δ ⁸ -THC	ND	0.0578/0.193	N/A
CBD	ND	0.109/0.363	N/A	Δ ⁹ -THC	0.148 %	0.102/0.34	N/A
CBDA	ND	0.142/0.474	N/A	THCA	25.0 %	0.0883/0.294	N/A
CBDV	ND	0.0673/0.224	N/A	THCV	ND	0.0699/0.233	N/A
CBG	ND	0.0576/0.192	N/A	TOTAL THC *	22.1 %		N/A
CBGA	0.592 %	0.0328/0.109	N/A	TOTAL CBD *	ND		N/A
CBN	ND	0.0848/0.283	N/A				

* BEYOND SCOPE OF ACCREDITATION

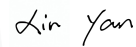
** TOTAL THC = (THCA X 0.877) + THC

** TOTAL CBD = (CBDA X 0.877) + CBD

THIS REPORT MAY NOT BE REPRODUCED EXCEPT IN FULL WITHOUT APPROVAL FROM CAMBIUM ANALYTICA. THE RESULTS HEREIN RELATE ONLY TO THE
 SAMPLE & BATCH IDENTIFIED IN THIS REPORT.
 SAMPLED IN ACCORDANCE TO SMP-SOP-001 // SAMPLING PROCEDURE.



RESULTS CERTIFIED BY: XIN YAN
 LABORATORY DIRECTOR, CAMBIUM ANALYTICA
 APR 12, 2021



RESULTS CERTIFIED BY: DOUGLAS SMITH
 CHIEF SCIENTIST, CAMBIUM ANALYTICA
 APR 12, 2021



PLC-02: CHEMICAL RESIDUE ANALYSIS BY LC-MS/MS // APR 12, 2021

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/kg)	PASS/FAIL
ABAMECTIN	0.5 µg/g	ND	68.6/229	PASS
ACEPHATE	0.4 µg/g	ND	16.2/53.9	PASS
ACEQUINOCYL	2 µg/g	ND	28/93.2	PASS
ACETAMIPRID	0.2 µg/g	ND	14.4/47.9	PASS
ALDICARB	0.4 µg/g	ND	42.1/140	PASS
AZOXYSTROBIN	0.2 µg/g	ND	10.4/34.7	PASS
BIFENAZATE	0.2 µg/g	ND	24.9/83	PASS
BIFENTHRIN	0.2 µg/g	ND	14.5/48.2	PASS
BOSCALID	0.4 µg/g	ND	12.7/41.5	PASS
CARBARYL	0.2 µg/g	ND	12/40	PASS
CARBOFURAN	0.2 µg/g	ND	10.6/35.4	PASS
CHLORANTRIL-IPROLE	0.2 µg/g	ND	24.4/81.4	PASS
CHLORFENAPYR	1 µg/g	ND	12/40	PASS
CHLORPYRIFOS	0.2 µg/g	ND	24.5/81.8	PASS
CLOFENTEZINE	0.2 µg/g	ND	20/66.7	PASS
CYFLUTHRIN	1 µg/g	ND	38.4/128	PASS
CYPERMETHRIN	1 µg/g	ND	27.5/91.7	PASS
DAMINOZIDE	1 µg/g	ND	23.7/79.1	PASS
DIAZINON	0.2 µg/g	ND	18.5/61.6	PASS
DICHLORVOS	1 µg/g	ND	12.5/41.6	PASS
DIMETHOATE	0.2 µg/g	ND	12.2/40.6	PASS
ETHOPROPHOS	0.2 µg/g	ND	19/63.2	PASS
ETOFENPROX	0.4 µg/g	ND	14.3/47.6	PASS
ETOXAZOLE	0.2 µg/g	ND	13.4/44.8	PASS
FENOXYCARB	0.2 µg/g	ND	19.9/66.2	PASS
FENPYROXIMATE	0.4 µg/g	ND	43.7/146	PASS
FIPRONIL	0.4 µg/g	ND	44.8/149	PASS
FLONICAMID	1 µg/g	ND	22.1/73.5	PASS
FLUDIOXONIL	0.4 µg/g	ND	10.9/36.4	PASS
HEXYTHIAZOX	1 µg/g	ND	28/93.4	PASS

PGC-03: CHEMICAL RESIDUE ANALYSIS BY GC-MS/MS // APR 12, 2021

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/kg)	PASS/FAIL
CHLORFENAPYR	1 µg/g	ND	0.049/0.164	PASS

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/kg)	PASS/FAIL
IMAZALIL	0.2 µg/g	ND	15.4/51.3	PASS
IMIDACLOPRID	0.4 µg/g	ND	33.7/112	PASS
KRESOXIM-METHYL	0.4 µg/g	ND	11.8/39.2	PASS
MALATHION	0.2 µg/g	ND	15.5/51.7	PASS
METALAXYL	0.2 µg/g	ND	17.4/58.1	PASS
METHIOCARB	0.2 µg/g	ND	13.8/45.8	PASS
METHOMYL	0.4 µg/g	ND	9.37/31.2	PASS
MGK-264	0.2 µg/g	ND	19.1/63.6	PASS
MYCLOBUTANIL	0.2 µg/g	ND	19.6/65.3	PASS
NALED	0.5 µg/g	ND	22.8/76.1	PASS
OXAMYL	1 µg/g	ND	35/117	PASS
PACLOBUTRAZOL	0.4 µg/g	ND	36/120	PASS
PERMETHRIN	0.2 µg/g	ND	37.5/125	PASS
PHOSMET	0.2 µg/g	ND	23.8/79.2	PASS
PRALLETHRIN	0.2 µg/g	ND	36.9/123	PASS
PROPICONAZOLE	0.4 µg/g	ND	40.2/134	PASS
PROPOXUR	0.2 µg/g	ND	11.5/38.5	PASS
PYRETHRINS	1 µg/g	ND	19.9/66.3	PASS
PYRIDABEN	0.2 µg/g	ND	26/86.5	PASS
SPINOSAD	0.2 µg/g	ND	5.85/19.5	PASS
SPINOSAD A		ND	6.34/21.1	N/A
SPINOSAD D		ND	2.39/7.95	N/A
SPIROMESIFEN	0.2 µg/g	ND	14.5/48.4	PASS
SPIROTETRAMAT	0.2 µg/g	ND	35.3/118	PASS
SPIROXAMINE	0.4 µg/g	ND	12.2/40.7	PASS
TEBUCONAZOLE	0.4 µg/g	ND	37.4/125	PASS
THIACLOPRID	0.2 µg/g	ND	15.4/51.2	PASS
THIAMETHOXAM	0.2 µg/g	ND	13.6/45.3	PASS
TRIFLOXYSTROB-IN	0.2 µg/g	ND	18.6/62	PASS



TYM-014: TYM BY 3M PETRIFILM RYM // APR 12, 2021

ANALYTE	LIMIT	AMT (CFU/g)	PASS/FAIL
YEAST & MOLD	100000 CFU/g	13,500.000 CFU/g	PASS

MIC-06: MICROBIAL SCREENING BY QPCR // APR 12, 2021

ANALYTE	LIMIT	AMT (CFU/g)	PASS/FAIL
ASPERGILLUS SPP.	Any amount in 1 gram	ND	PASS
COLIFORMS	1000 CFU/g	ND	PASS

ANALYTE	LIMIT	AMT (CFU/g)	PASS/FAIL
SALMONELLA SPP.	Any amount in 1 gram	ND	PASS
SHIGA TOXIN-PRODUCING E. COLI	Any amount in 1 gram	ND	PASS

MET-05: HEAVY METALS ANALYSIS BY ICP-MS // APR 12, 2021

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/kg)	PASS/FAIL
ARSENIC	0.4 µg/g	0.001 µg/g	0.0448/0.5	PASS
CADMIUM	0.4 µg/g	0.001 µg/g	0.0256/0.5	PASS
CHROMIUM	1.2 µg/g	0.082 µg/g	0.0274/0.5	PASS
COPPER		4.960 µg/g	0.0446/0.5	N/A

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/kg)	PASS/FAIL
LEAD	1 µg/g	< LOQ	0.0169/0.5	PASS
MERCURY	0.2 µg/g	0.001 µg/g	0.00439/0.05	PASS
NICKEL	1 µg/g	0.082 µg/g	0.0271/0.5	PASS

AWA-09: WATER ACTIVITY // APR 09, 2021

ANALYTE	LIMIT	AMT (Aw)	PASS/FAIL
WATER ACTIVITY	0.65 Aw	0.526 Aw	PASS

FOR-07: FOREIGN MATTER ANALYSIS // APR 09, 2021

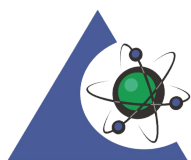
ANALYTE	LIMIT	AMT (%)	PASS/FAIL
INORGANIC MATTER	Any amount	ND	PASS
ORGANIC MATTER	2 %	ND	PASS

ANALYTE	LIMIT	AMT (%)	PASS/FAIL
STEMS	5 %	1.000 %	PASS

ACCREDITATIONS



ILAC-MRA



ISO/IEC 17025

ILAC-MRA, PJLA ACCREDITED

PLC-02: CHEMICAL RESIDUE ANALYSIS BY LC-MS/MS

ABAMECTIN, ABAMECTIN BA, ABAMECTIN BB, ACEPHATE, ACEQUINOCYL, ACETAMIPRID, ALDICARB, AZOXYSTROBIN, BIFENAZATE, BIFENTHRIN, BOSCALID, CARBARYL, CARBOFURAN, CHLORANTRANILIPROLE, CHLORFENAPYR, CHLORPYRIFOS, CLOFENTEZINE, CYFLUTHRIN, CYPERMETHRIN, DAMINOZIDE, DIAZINON, DICHLORVOS, DIMETHOATE, ETHOPROPHOS, ETOFENPROX, ETOXAZOLE, FENOXYCARB, FENPYROXIMATE, FIPRONIL, FLONICAMID, FLUDIOXONIL, HEXYTHIAZOX, IMAZALIL, IMIDACLOPRID, KRESOXIM-METHYL, MGK-264, MALATHION, MALATHION A, METALAXYL, METHIOCARB, METHOMYL, METHYL PARATHION, MYCLOBUTANIL, NALED, OXAMYL, PACLOBUTRAZOL, PERMETHRIN, PERMETHRIN CIS, PERMETHRIN TRANS, PHOSMET, PRALLETHRIN, PROPICONAZOLE, PROPOXUR, PYRETHRINS, PYRETHRINS CINERIN I, PYRETHRINS CINERIN I-3, PYRETHRINS JASMOLIN I, PYRETHRINS JASMOLIN I-3, PYRETHRINS PYRETHRIN I, PYRIDABEN, SPINOSAD, SPINOSAD A, SPINOSAD D, SPIROMESIFEN, SPIROTETRAMAT, SPIROXAMINE, TEBUCONAZOLE, THIACLOPRID, THIAMETHOXAM, TRIFLOXYSTROBIN

POT-01: CANNABINOID POTENCY ANALYSIS BY HPLC-DAD

CBD, CBDA, DELTA-9-THC, THCA, CBDV, THCV, CBG, CBGA, CBN, DELTA-8-THC, CBC

MET-05: HEAVY METALS ANALYSIS BY ICP-MS

ARSENIC, CADMIUM, CHROMIUM, COPPER, LEAD, MERCURY, NICKEL

FOR-07: FOREIGN MATTER ANALYSIS

INORGANIC MATTER, ORGANIC MATTER, STEMS

PGC-03: CHEMICAL RESIDUE ANALYSIS BY GC-MS/MS

CHLORFENAPYR, METHYL PARATHION

AWA-09: WATER ACTIVITY

WATER ACTIVITY

