



Certificate of Analysis
Ringo's Gift IN1D3ZG

Page 1 of 5: Summary & Inspection
 Yava

Test Result UID:	ANL0007916	License:	416510
Washington State Lot ID:	WAJ416510.IN1D3ZG		
Washington State Sample ID:	WAL4.IN1GGVR		
Date Tested:	02/15/2018		

Photographs



Summary

Cannabinoids:	THC Total: 42.99 %	CBD Total: 10.70 %
	Terpene Total: 3.94 %	Solvent Total: < 25 ppm
	Microbial: Not Tested	Pesticides: Not Tested
	Heavy Metals: Not Tested	
	Water Activity: Not Tested	Not Tested

Mycotoxins (Method: ELISA)

Aflatoxins Total:	< 4 ppb	Pass	Pass
Ochratoxin A Total:	4.9 ppb	Pass	



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Page 2 of 5: Potency
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Cannabinoid Profile (Method: HPLC-DAD)

CBG-A	< 0.01 mg/g	< 0.01 %
CBG	< 0.01 mg/g	< 0.01 %
CBG TOTAL (CBG-A * 0.878 + CBG) ¹	< 0.01 mg/g	< 0.01 %
Δ9-THC-A	217.48 mg/g	21.75 %
Δ9-THC	239.15 mg/g	23.92 %
Δ9-THCV	< 0.01 mg/g	< 0.01 %
Δ8-THC	< 0.01 mg/g	< 0.01 %
CBN	0.60 mg/g	0.06 %
THC-TOTAL (THC-A * 0.877 + THC) ¹	429.88 mg/g	42.99 %
CBD-A	87.23 mg/g	8.72 %
CBD	30.50 mg/g	3.05 %
CBDV-A	< 0.01 mg/g	< 0.01 %
CBDV	< 0.01 mg/g	< 0.01 %
CBD-TOTAL (CBD-A * 0.877 + CBD) ¹	107.00 mg/g	10.70 %
CBC	9.94 mg/g	0.99 %
ACTIVATED-TOTAL (Δ9THC + 9-THCV + Δ8THC + CBN + CBD + CBDV + CBG + CBC) ²	280.19 mg/g	28.02 %
TOTAL DETECTED CANNABINOIDS (CBDV TOTAL + THC TOTAL + CBD TOTAL + CBG TOTAL + D8THC + CBN + CBC + THC) ²	547.42 mg/g	54.74 %

1 - Cannabinoid totals are adjusted to account for the decarboxylation of the cannabinoid acids. The reported total is the amount of the activated cannabinoid that would be if all of the carboxylic acid has been removed through decarboxylation.

2 - Cannabinoids that have been activated through decarboxylation (curing/storage of flowers, or heating/cooking of edibles, tinctures, & concentrates)



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Page 3 of 5: Terpenes
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Terpene Profile (Method: HS-GC-FID)

Alpha Pinene	0.03 mg/g	< 0.01 %
Beta Pinene	0.05 mg/g	0.01 %
Myrcene	0.81 mg/g	0.08 %
Ocimene	0.02 mg/g	< 0.01 %
Limonene	0.88 mg/g	0.09 %
Terpinolene	2.79 mg/g	0.28 %
Linalool	< 0.01 mg/g	< 0.01 %
Caryophyllene	24.85 mg/g	2.49 %
Humulene	9.92 mg/g	0.99 %
Terpene Total	39.35 mg/g	3.94 %



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Residual Solvent Test (Method: HS-GC-FID)

Propane	< 25 ppm	Methanol	< 25 ppm
Isobutane	< 25 ppm	Acetonitrile	< 25 ppm
Butane	< 25 ppm	Dichloromethane	< 25 ppm
Ethanol	< 25 ppm	Ethyl Acetate	< 25 ppm
Acetone	< 25 ppm	Chloroform	< 2 ppm
Toluene	< 25 ppm	Cyclohexane	< 25 ppm
Pentane	< 25 ppm	Benzene	< 2 ppm
Isopropanol	< 25 ppm	Ethyl Benzene	< 25 ppm
Hexane	< 25 ppm	m + p Xylenes	< 25 ppm
Heptane	< 25 ppm	o Xylene	< 25 ppm
		Total Xylenes	< 25 ppm
Total Solvents			< 25 ppm



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Page 5 of 5: Certification
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Analytical 360, LLC certifies that the results presented on the previous 5 pages are true and correct to the best of our knowledge. These results relate only to the sample provided by the client to Analytical 360, LLC.

Approved by: Dr. Paul Mathews

UBI: 603120434
Lab: 0004

Labtech Notes

- None