



Certificate of Analysis

Client Information

BUBS Naturals
1026 N Coast Hwy 101
Encinitas, CA 92024
USA
312-659-6596

Sample Information

Sample ID: 868523
Date Received: 12/1/2025
Description: ACV Gummies
Lot#: 531659334
Expiration Date: 11/2027
Serving Size: 2 Gummies
This lot of gummies is to be tested. AS 11/24/2025

Results

Analysis	Method	†MDL / LOQ	Specification	Results	UOM	Lab ID
<u>Complete Micro Profile</u>	USP <2021>, USP <2022>, AOAC 991.14		Report Only			1
Total Plate Count	USP <2021>	100	Record Only	None Detected	cfu's/g	1
Coliforms	AOAC 991.14	10	Record Only	None Detected	cfu's/g	1
E. coli	USP <2022>	Absent	Record Only	Absent	cfu's/10g	1
Staphylococcus aureus	USP <2022>	Absent	Record Only	Absent	cfu's/10g	1
Salmonella	USP <2022>	Absent	Record Only	Absent	cfu's/10g	1
Yeast	USP <2021>	100	Record Only	None Detected	cfu's/g	1
Mold	USP <2021>	100	Record Only	None Detected	cfu's/g	1
Glyphosate (HPLC)	ARL 2.073	0.4	Report Only	< 0.4	%	1
<u>Heavy Metals</u>	ARL ICPMS 8.016		Report Only			1
Arsenic (As)	ARL ICPMS 8.016	0.001	Record Only	< 0.001	ppm	1
Cadmium (Cd)	ARL ICPMS 8.016	0.001	Record Only	< 0.001	ppm	1
Mercury (Hg)	ARL ICPMS 8.016	0.001	Record Only	< 0.001	ppm	1
Lead (Pb)	ARL ICPMS 8.016	0.001	Record Only	0.017	ppm	1
<u>Allergen Profile</u>	ELISA					1
Gluten Allergens	ELISA	5	Record Only	<5	ppm	1
Peanut Allergens (ELISA)	ELISA	0.8	Record Only	<0.8	ppm	1



Analysis	Method	Results				UOM	Lab ID
		†MDL / LOQ	Specification	Results			
Milk Allergens (Qualitative, Swab)	IMMUNOCHROMA TOGRAPHIC	0.5	Record Only	*Note 1	ug/cm2	1	
Egg Allergens (ELISA)	ELISA	0.5	Record Only	<0.5	ppm	1	
Soy Allergens (ELISA)	ELISA	2.5	Record Only	<2.5	ppm	1	
Crustacean Allergen (ELISA)	ELISA	2.5	Record Only	<2.5	ppm	1	
Fish Allergens (Histamine)	ELISA	2.5	Record Only	<2.5	ppm	1	
Sesame Allergens (ELISA)	ELISA	2.5	Record Only	<2.5	ppm	1	

Notes:
1. Sample was tested but suspect to contain ingredients that might interfere with the test, therefore inconclusive.

†Method Detection Limit (MDL):

In microbiologic testing, this is the minimum level of growth that can be detected with confidence. If a result is reported as "None Detected", it means any visible growth was below this limit.

†Limit of Quantitation (LOQ):

In analytical chemistry testing, this is the minimum level of the desired analyte that can be quantified with confidence. If a result is reported as less than LOQ, it means any detected amount was too small to report an exact number.

Under accreditation number 77504, ARL is an ISO/IEC 17025:2017 Accredited Laboratory. Uncertainty data for ISO/IEC 17025:2017 methods are available upon request. Certificate and scope are also available upon request.





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Analysis	Method	†MDL / LOQ	Specification	Results	UOM	Lab ID
<u>Residual Solvents (USP 467)</u>	ARL 2.065			Note 1		1
<u>Residual Solvents Class 1 (USP 467)</u>	ARL 2.065					1
1,1-Dichloroethylene	ARL 2.065	1.0	Record Only	< 1.0	ppm	1
1,1,1-Trichloroethane	ARL 2.065	1.0	Record Only	< 1.0	ppm	1
1,2-Dichloroethane	ARL 2.065	1.0	Record Only	< 1.0	ppm	1
Benzene	ARL 2.065	1.0	Record Only	< 1.0	ppm	1
Carbon Tetrachloride	ARL 2.065	1.0	Record Only	< 1.0	ppm	1
<u>Residual Solvents Class 2 A+B (USP 467)</u>	ARL 2.065					1
1,2-Dimethoxyethane	ARL 2.065	25.0	Record Only	< 25.0	ppm	1
1,4-Dioxane	ARL 2.065	95.5	Record Only	< 95.5	ppm	1
2-Hexanone (Methylbutylketone)	ARL 2.065	12.5	Record Only	< 12.5	ppm	1
1,2-Dichloroethylene	ARL 2.065	234.0	Record Only	< 234.0	ppm	1
Trans-1,2-Dichloroethylene	ARL 2.065	234.0	Record Only	< 234.0	ppm	1
Cis-1,2-Dichloroethylene	ARL 2.065	234.0	Record Only	< 234.0	ppm	1
Acetonitrile	ARL 2.065	103.0	Record Only	< 103.0	ppm	1
Chlorobenzene	ARL 2.065	90.0	Record Only	< 90.0	ppm	1
Chloroform (Trichloromethane)	ARL 2.065	15.0	Record Only	< 15.0	ppm	1
Cumene (Isopropylbenzene)	ARL 2.065	17.5	Record Only	< 17.5	ppm	1





Analysis	Method	Results				UOM	Lab ID
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Cyclohexane	ARL 2.065	975.0	Record Only	< 975.0	ppm	1	
Dichloromethane (Methylene Chloride)	ARL 2.065	151.0	Record Only	< 151.0	ppm	1	
N-Hexane	ARL 2.065	61.2	Record Only	< 61.2	ppm	1	
Methanol (Class 2)	ARL 2.065	751.0	Record Only	< 751.0	ppm	1	
Methylcyclohexane	ARL 2.065	296.5	Record Only	< 296.5	ppm	1	
Nitromethane	ARL 2.065	12.5	Record Only	< 12.5	ppm	1	
Pyridine	ARL 2.065	50.0	Record Only	< 50.0	ppm	1	
Tetrahydrofuran	ARL 2.065	181.5	Record Only	< 181.5	ppm	1	
Tetralin	ARL 2.065	21.0	Record Only	< 21.0	ppm	1	
Trichloroethylene	ARL 2.065	20.0	Record Only	< 20.0	ppm	1	
Toluene	ARL 2.065	223.0	Record Only	< 223.0	ppm	1	
Total Xylenes	ARL 2.065	750.0	Record Only	< 750.0	ppm	1	
Ethylbenzene	ARL 2.065	750.0	Record Only	< 750.0	ppm	1	
m,p-Xylene	ARL 2.065	750.0	Record Only	< 750.0	ppm	1	
o-Xylene	ARL 2.065	750.0	Record Only	< 750.0	ppm	1	
<u>Residual Solvents Class 3 A+B (USP 467)</u>	ARL 2.065					1	
Loss on Drying	ARL 2.004	0.1	Record Only	1.7	%	1	
1-Butanol	ARL 2.065	500	Record Only	< 500	ppm	1	
1-Pentanol	ARL 2.065	500	Record Only	< 500	ppm	1	
1-Propanol (n-Propanol)	ARL 2.065	500	Record Only	< 500	ppm	1	
2-Butanol	ARL 2.065	500	Record Only	< 500	ppm	1	
2-Butanone (Methylethyl Ketone)	ARL 2.065	500	Record Only	< 500	ppm	1	
3-Methyl-1-Butanol (Isoamyl Alcohol)	ARL 2.065	500	Record Only	< 500	ppm	1	
4-Methyl-2-Pentanone (Methylisobutyl Ketone)	ARL 2.065	500	Record Only	< 500	ppm	1	
Acetic Acid	ARL 2.065	3490	Record Only	< 3490	ppm	1	
Acetone	ARL 2.065	500	Record Only	< 500	ppm	1	
Anisole	ARL 2.065	500	Record Only	< 500	ppm	1	





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Butyl Acetate (Acetic Acid Butyl Ester)	ARL 2.065	500	Record Only	< 500	ppm	1	
Diethyl Ether (Ethyl Ether)	ARL 2.065	500	Record Only	< 500	ppm	1	
Dimethyl Sulfoxide	ARL 2.065	500	Record Only	< 500	ppm	1	
Ethanol (Class 3)	ARL 2.065	500	Record Only	< 500	ppm	1	
Ethyl Acetate	ARL 2.065	500	Record Only	< 500	ppm	1	
Ethyl Formate	ARL 2.065	500	Record Only	< 500	ppm	1	
Formic Acid	ARL 2.065	3620	Record Only	< 3620	ppm	1	
Heptane	ARL 2.065	500	Record Only	< 500	ppm	1	
Isobutyl Acetate	ARL 2.065	500	Record Only	< 500	ppm	1	
Isobutanol (2-Methyl-1-Propanol)	ARL 2.065	500	Record Only	< 500	ppm	1	
Isopropanol (2-Propanol, Class 3)	ARL 2.065	500	Record Only	< 500	ppm	1	
Isopropyl Acetate	ARL 2.065	500	Record Only	< 500	ppm	1	
Methyl Acetate	ARL 2.065	500	Record Only	< 500	ppm	1	
Methyl Tert-butyl Ether	ARL 2.065	500	Record Only	< 500	ppm	1	
n-Pentane	ARL 2.065	500	Record Only	< 500	ppm	1	
Propyl Acetate	ARL 2.065	500	Record Only	< 500	ppm	1	

Notes:

1. Package following USP <467> edition 2020

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