




CERTIFICATE OF ANALYSIS

Sample(s) Receipt Date(s):	03/17/2023	Batch(s):	B230323-3					
Received by:	JDR	Sample ID #:	2303-091					
Customer Name/ID:	Olio Company	Date of Analysis/Testing:	03/20/2023 - 03/22/2023					
Product/Sample Name:	Olio Gummies	Lot #:	OLIOPB001010123A-2					
Final Disposition	PASS	Method Group	Method Name	Date	Disposition			
		Cannabinoids	POT-PREP-002 High	3/22/2023	PASS			
		Water Activity	WA-PREP-001	3/20/2023	PASS			
		Residual Solvents	RS-PREP-001	3/21/2023	PASS			
		Microbials	MICRO-PREP-001	3/22/2023	PASS			
		Mycotoxins	PESTMICO-LC-PREP-001	3/20/2023	PASS			
		Heavy Metals	HM-PREP-001	3/21/2023	PASS			
		Foreign Matter	FM-PREP-001	3/20/2023	PASS			
		Pesticides	PESTMICO-LC-PREP-001 / PEST-GC-PREP-001	3/20/2023	PASS			
Method Group	Analyte / Property	LOD	LOQ	Results	Units	Disposition		
Physical Properties	WA-INST-002 - Water activity	N/A	N/A	0.556	aw	PASS		
	POT-PREP-002 High - Sample mass	N/A	N/A	5.01	g/unit	N/A		
Method Group	Analyte / Property	LOD (mg/g)	LOQ (mg/g)	Results (%)	Results (mg/g)	Results (mg/Unit)	Limit Amount	Disposition
Cannabinoids	CBDV	0.0038	0.0115	ND	ND	ND	N/A	
	CBG	0.0047	0.0140	ND	ND	ND		
	CBD	0.0075	0.0224	0.005	0.05	0.25		
	THCV	0.0056	0.0167	ND	ND	ND		
	CBN	0.0047	0.0141	ND	ND	ND		
	Δ9-THC	0.0089	0.0268	0.266	2.66	13.34		
	Δ8-THC	0.0125	0.0376	0.058	0.58	2.91		
	CBC	0.0228	0.0684	ND	ND	ND		
	CBDA	0.0147	0.0441	ND	ND	ND		
	CBGA	0.0139	0.0416	ND	ND	ND		
	THCA-A	0.0385	0.1156	ND	ND	ND		
	Total Cannabinoids				0.330	3.30		
Total THC				0.324	3.24	16.25		
Total Δ9 THC				0.266	2.66	13.34		
Method Group	Analyte / Property	LOD (μg/g)	LOQ (μg/g)	Results (μg/g)	Results (μg/Unit)	Limit Amount (μg/g)	Disposition	
Residual Solvents	RS-INST-003 - 1,2-Dichloroethane	0.088	0.264	ND	ND	1	PASS	
	RS-INST-003 - Benzene	0.017	0.052	ND	ND	1	PASS	
	RS-INST-003 - Chloroform	0.025	0.076	ND	ND	1	PASS	
	RS-INST-003 - Ethylene oxide	0.179	0.579	ND	ND	1	PASS	
	RS-INST-003 - Methylene chloride	0.08	0.729	ND	ND	1	PASS	
	RS-INST-003 - Trichloroethene	0.028	0.145	ND	ND	1	PASS	
	RS-INST-003 - Acetone	0.716	51.246	ND	ND	5000	PASS	
	RS-INST-003 - Acetonitrile	0.14	0.420	ND	ND	410	PASS	
	RS-INST-003 - Butane	0.748	4.849	ND	ND	5000	PASS	
	RS-INST-003 - Ethanol	2.525	7.575	ND	ND	5000	PASS	
	RS-INST-003 - Ethyl acetate	0.175	2.288	<LOQ	<LOQ	5000	PASS	
	RS-INST-003 - Ethyl ether	0.389	2.869	ND	ND	5000	PASS	
RS-INST-003 - Heptane	0.496	2.859	ND	ND	5000	PASS		



Residual Solvents (cont.)	RS-INST-003 - n-Hexane	0.027	0.281	ND	ND	290	PASS
	RS-INST-003 - Isopropanol	0.614	2.860	ND	ND	5000	PASS
	RS-INST-003 - Methanol	0.867	2.602	ND	ND	3000	PASS
	RS-INST-003 - Pentane	1.692	5.075	ND	ND	5000	PASS
	RS-INST-003 - Propane	3.236	9.709	ND	ND	5000	PASS
	RS-INST-003 - Toluene	0.067	0.864	ND	ND	890	PASS
	RS-INST-003 - Xylenes	0.326	2.572	ND	ND	2170	PASS
Method Group	Analyte / Property	LOD (µg/g)	LOQ (µg/g)	Results (µg/g)	Results (µg/Unit)	Limit Amount (µg/g)	Disposition
Heavy Metals	HM-INST-03 - Arsenic	0.003	0.009	<LOQ	<LOQ	1.5	PASS
	HM-INST-03 - Cadmium	0.001	0.002	ND	ND	0.5	PASS
	HM-INST-03 - Lead	0.001	0.004	0.007	0.035	0.5	PASS
	HM-INST-03 - Mercury	0.005	0.014	ND	ND	3	PASS
Method Group	Analyte / Property	LOD (µg/g)	LOQ (µg/g)	Results (µg/g)	Results (µg/Unit)	Limit Amount (µg/g)	Disposition
Microbiological	MICRO-INST-001 - STEC	N/A	N/A	ND	ND	N/A	PASS
	MICRO-INST-001 - Salmonella SPP	N/A	N/A	ND	ND		PASS
Method Group	Analyte / Property	LOD (µg/g)	LOQ (µg/g)	Results (µg/g)	Results (µg/Unit)	Limit Amount (µg/g)	Disposition
Pesticides (Category 1)	PESTMICO-LC-INST-004/PEST-GC-INST-003 - Aldicarb	0.022	0.065	ND	ND	N/A	PASS
	PESTMICO-LC-INST-004/PEST-GC-INST-003 - Carbofuran	0.009	0.030	ND	ND		PASS
	PESTMICO-LC-INST-004/PEST-GC-INST-003 - Chlordane	0.025	0.075	ND	ND		PASS
	PESTMICO-LC-INST-004/PEST-GC-INST-003 - Chlorfenapyr	0.025	0.075	ND	ND		PASS
	PESTMICO-LC-INST-004/PEST-GC-INST-003 - Chlorpyrifos	0.018	0.053	ND	ND		PASS
	PESTMICO-LC-INST-004/PEST-GC-INST-003 - Coumaphos	0.018	0.056	ND	ND		PASS
	PESTMICO-LC-INST-004/PEST-GC-INST-003 - Daminozide	0.026	0.079	ND	ND		PASS
	PESTMICO-LC-INST-004/PEST-GC-INST-003 - Dichlorvos	0.022	0.067	ND	ND		PASS
	PESTMICO-LC-INST-004/PEST-GC-INST-003 - Dimethoate	0.012	0.036	ND	ND		PASS
	PESTMICO-LC-INST-004/PEST-GC-INST-003 - Ethoprophos	0.017	0.053	ND	ND		PASS
	PESTMICO-LC-INST-004/PEST-GC-INST-003 - Etofenprox	0.008	0.030	ND	ND		PASS
	PESTMICO-LC-INST-004/PEST-GC-INST-003 - Fenoxycarb	0.014	0.043	ND	ND		PASS
	PESTMICO-LC-INST-004/PEST-GC-INST-003 - Fipronil	0.015	0.045	ND	ND		PASS
	PESTMICO-LC-INST-004/PEST-GC-INST-003 - Imazalil	0.016	0.047	ND	ND		PASS
	PESTMICO-LC-INST-004/PEST-GC-INST-003 - Methiocarb	0.016	0.047	ND	ND		PASS



Pesticides (Category 1) (cont.)	PESTMYCO-LC-INST-004/PEST-GC-INST-003 - Mevinphos	0.014	0.042	ND	ND	N/A	PASS
	PESTMYCO-LC-INST-004/PEST-GC-INST-003 - Paclobutrazol	0.013	0.040	ND	ND		PASS
	PESTMYCO-LC-INST-004/PEST-GC-INST-003 - Parathion Methyl	0.008	0.024	ND	ND		PASS
	PESTMYCO-LC-INST-004/PEST-GC-INST-003 - Propoxur	0.016	0.047	ND	ND		PASS
	PESTMYCO-LC-INST-004/PEST-GC-INST-003 - Spiroxamine	0.011	0.032	ND	ND		PASS
	PESTMYCO-LC-INST-004/PEST-GC-INST-003 - Thiacloprid	0.014	0.042	ND	ND		PASS
Method Group	Analyte / Property	LOD (µg/g)	LOQ (µg/g)	Results (µg/g)	Results (µg/Unit)	Limit Amount (µg/g)	Disposition
Pesticides (Category 2)	PESTMYCO-LC-INST-004/PEST-GC-INST-003 - Abamectin	0.01	0.030	ND	ND	0.3	PASS
	PESTMYCO-LC-INST-004/PEST-GC-INST-003 - Acephate	0.016	0.050	ND	ND	5	PASS
	PESTMYCO-LC-INST-004/PEST-GC-INST-003 - Acequinocyl	0.019	0.059	ND	ND	4	PASS
	PESTMYCO-LC-INST-004/PEST-GC-INST-003 - Acetamiprid	0.015	0.044	ND	ND	5	PASS
	PESTMYCO-LC-INST-004/PEST-GC-INST-003 - Azoxystrobin	0.01	0.029	ND	ND	40	PASS
	PESTMYCO-LC-INST-004/PEST-GC-INST-003 - Bifenazate	0.012	0.035	ND	ND	5	PASS
	PESTMYCO-LC-INST-004/PEST-GC-INST-003 - Bifenthrin	0.013	0.040	ND	ND	0.5	PASS
	PESTMYCO-LC-INST-004/PEST-GC-INST-003 - Boscalid	0.02	0.060	ND	ND	10	PASS
	PESTMYCO-LC-INST-004/PEST-GC-INST-003 - Captan	0.12	0.358	ND	ND	5	PASS
	PESTMYCO-LC-INST-004/PEST-GC-INST-003 - Carbaryl	0.016	0.049	ND	ND	0.5	PASS
	PESTMYCO-LC-INST-004/PEST-GC-INST-003 - Chlorantraniliprole	0.021	0.063	ND	ND	40	PASS
	PESTMYCO-LC-INST-004/PEST-GC-INST-003 - Clofentezine	0.013	0.039	ND	ND	0.5	PASS
	PESTMYCO-LC-INST-004/PEST-GC-INST-003 - Cyfluthrin	0.019	0.056	ND	ND	1	PASS
	PESTMYCO-LC-INST-004/PEST-GC-INST-003 - Cypermethrin	0.015	0.044	ND	ND	1	PASS
	PESTMYCO-LC-INST-004/PEST-GC-INST-003 - Diazinon	0.006	0.030	ND	ND	0.2	PASS
	PESTMYCO-LC-INST-004/PEST-GC-INST-003 - Dimethomorph	0.014	0.042	ND	ND	20	PASS
	PESTMYCO-LC-INST-004/PEST-GC-INST-003 - Etoxazole	0.008	0.030	ND	ND	1.5	PASS



Pesticides (Category 2) (cont.)	PESTMYCO-LC-INST-004/PEST-GC-INST-003 - Fenhexamid	0.013	0.039	ND	ND	10	PASS
	PESTMYCO-LC-INST-004/PEST-GC-INST-003 - Fenpyroximate	0.01	0.030	ND	ND	2	PASS
	PESTMYCO-LC-INST-004/PEST-GC-INST-003 - Flonicamid	0.027	0.081	ND	ND	2	PASS
	PESTMYCO-LC-INST-004/PEST-GC-INST-003 - Fludioxonil	0.015	0.046	ND	ND	30	PASS
	PESTMYCO-LC-INST-004/PEST-GC-INST-003 - Hexythiazox	0.026	0.078	ND	ND	2	PASS
	PESTMYCO-LC-INST-004/PEST-GC-INST-003 - Imidacloprid	0.023	0.071	ND	ND	3	PASS
	PESTMYCO-LC-INST-004/PEST-GC-INST-003 - Kresoxim methyl	0.012	0.038	ND	ND	1	PASS
	PESTMYCO-LC-INST-004/PEST-GC-INST-003 - Malathion	0.012	0.035	ND	ND	5	PASS
	PESTMYCO-LC-INST-004/PEST-GC-INST-003 - Metalaxyl	0.01	0.031	ND	ND	15	PASS
	PESTMYCO-LC-INST-004/PEST-GC-INST-003 - Methomyl	0.016	0.048	ND	ND	0.1	PASS
	PESTMYCO-LC-INST-004/PEST-GC-INST-003 - Myclobutanil	0.018	0.055	ND	ND	9	PASS
	PESTMYCO-LC-INST-004/PEST-GC-INST-003 - Naled	0.017	0.051	ND	ND	0.5	PASS
	PESTMYCO-LC-INST-004/PEST-GC-INST-003 - Oxamyl	0.015	0.046	ND	ND	0.3	PASS
	PESTMYCO-LC-INST-004/PEST-GC-INST-003 - Pentachloronitrobenzene	0.018	0.054	ND	ND	0.2	PASS
	PESTMYCO-LC-INST-004/PEST-GC-INST-003 - Permethrin	0.008	0.030	ND	ND	20	PASS
	PESTMYCO-LC-INST-004/PEST-GC-INST-003 - Phosmet	0.012	0.038	ND	ND	0.2	PASS
	PESTMYCO-LC-INST-004/PEST-GC-INST-003 - Piperonyl butoxide	0.008	0.030	ND	ND	8	PASS
	PESTMYCO-LC-INST-004/PEST-GC-INST-003 - Prallethrin	0.023	0.068	ND	ND	0.4	PASS
	PESTMYCO-LC-INST-004/PEST-GC-INST-003 - Propiconazole	0.019	0.059	ND	ND	20	PASS
	PESTMYCO-LC-INST-004/PEST-GC-INST-003 - Pyrethrins	0.004	0.030	ND	ND	1	PASS
	PESTMYCO-LC-INST-004/PEST-GC-INST-003 - Pyridaben	0.012	0.035	ND	ND	3	PASS
	PESTMYCO-LC-INST-004/PEST-GC-INST-003 - Spinetoram	0.006	0.030	ND	ND	3	PASS
	PESTMYCO-LC-INST-004/PEST-GC-INST-003 - Spinosad	0.004	0.030	ND	ND	3	PASS
	PESTMYCO-LC-INST-004/PEST-GC-INST-003 - Spiromesifen	0.014	0.042	ND	ND	12	PASS



Pesticides (Category 2) (cont.)	PESTMYCO-LC-INST-004/PEST-GC-INST-003 - Spirotetramat	0.013	0.041	ND	ND	13	PASS
	PESTMYCO-LC-INST-004/PEST-GC-INST-003 - Tebuconazole	0.014	0.044	ND	ND	2	PASS
	PESTMYCO-LC-INST-004/PEST-GC-INST-003 - Thiamethoxam	0.018	0.055	ND	ND	4.5	PASS
	PESTMYCO-LC-INST-004/PEST-GC-INST-003 - Trifloxystrobin	0.01	0.031	ND	ND	30	PASS
Method Group	Analyte / Property	LOD (µg/g)	LOQ (µg/g)	Results (µg/g)	Results (µg/Unit)	Limit Amount (µg/g)	Disposition
Mycotoxins	PESTMYCO-LC-INST-004/PEST-GC-INST-003 - Mycotoxin B1	2.6	7.88	ND	ND	N/A	
	PESTMYCO-LC-INST-004/PEST-GC-INST-003 - Mycotoxin B2	2.04	6.18	ND	ND		
	PESTMYCO-LC-INST-004/PEST-GC-INST-003 - Mycotoxin G1	2.97	8.99	ND	ND		
	PESTMYCO-LC-INST-004/PEST-GC-INST-003 - Mycotoxin G2	1.89	5.72	ND	ND		
	PESTMYCO-LC-INST-004/PEST-GC-INST-003 - Ochratoxin A	3.87	11.72	ND	ND	20	PASS
	PESTMYCO-LC-INST-004/PEST-GC-INST-003 - Total Aflatoxins				ND	ND	20
NOTES: <LOQ = Below limit of Quantitation / ND = Not Detected (Below limit of Detection (<LOD)) / 1µg/mL = 1ppm / 1000µg/mL = 1mg/mL / 1% = 10mg/g							

Performed by/Date: _____

Checked by/Date: _____

Notes: This Certificate of analysis only reflects data for the samples indicated on this form, as received by NNA in a good condition. There have been no amendments to the data since publishing. This report contains all parts of the complete report.

