



# UNITED SCIENCE

500 Simmon Drive, Osceola WI 54020

## CERTIFICATE OF ANALYSIS

<b>CUSTOMER:</b>	Nemadji	<b>CERTIFICATION DATE:</b>	04JUNE2024
<b>PRODUCT NAME:</b>	Gummy, 5mg D9, Sour	<b>MANUFACTURE DATE:</b>	29MAY2024
<b>PACKAGE SIZE:</b>	4 oz. JARS	<b>RECERTIFICATION DATE:</b>	Not Applicable
<b>BEST BY DATE:</b>	29MAY2025	<b>LOT NUMBER:</b>	24201PGR5987P2
<b>DESCRIPTION</b>	4 gram pectin gummy, mixed, 5 milligram Delta-9 THC active		
<b>STORAGE CONDITIONS:</b>	Store at room temperature, avoid exposure to direct sunlight		

IDENTITY TEST - organoleptic properties testing			
TEST DESCRIPTION	SPECIFICATION	RESULTS	STATUS
ASSAY (BY HPLC)	CANNABIDIOL	AS REPORTED	PASS
APPEARANCE	LEAF SHAPED GUMMY	AS REPORTED	PASS
COLOR	RED, PINK, GREEN, BLUE	AS REPORTED	PASS
ORGANOLEPTIC	SWEET SMELL, ODOR OF FLAVOR	AS REPORTED	PASS

POTENCY & IDENTITY, HPLC, United Science SOP			
CANNABINOID NAME	CONC. mg/g	% POTENCY	LOQ (%)
CBC	NA*	NA*	0.001
CBCA	NA*	NA*	0.001
CBD	NA*	NA*	0.001
CBDA	NA*	NA*	0.001
CBDV	NA*	NA*	0.001
CBDVA	NA*	NA*	0.001
CBG	NA*	NA*	0.001
CBGA	NA*	NA*	0.001
CBL	NA*	NA*	0.001
CBN	NA*	NA*	0.001
CBNA	NA*	NA*	0.001
DELTA-8-THC	NA*	NA*	0.001

DELTA-9-THC	1.23	0.123%	0.001
THCA-A	NA*	NA*	0.001
THCV	NA*	NA*	0.001
THCVA	NA*	NA*	0.001
<b>TOTAL CANNABINOIDS</b>	1.25	0.125%	0.001
<b>TOTAL THC</b>	1.25	0.125%	0.001

\*ND: Not Detected, N/A\*: Not Applicable

IMPURITIES, GC-MS/MS, AOAC 2007.01									
ANALYTE	Result	ACTION LEVEL (PPM)	LOQ (PPM)	Status	ANALYTE	Result	ACTION LEVEL (PPM)	LOQ (PPM)	Status
ABAMECTIN	ND	0.50	0.10	PASS	IMAZALIL	ND	0.20	0.10	PASS
ACEPHATE	ND	0.40	0.10	PASS	IMIDACLOPRID	ND	0.40	0.10	PASS
ACEQUINOCYL	ND	2.0	0.25	PASS	KRESOXIM METHYL	ND	0.40	0.10	PASS
ACETAMIPRID	ND	0.20	0.10	PASS	MALATHION A	ND	0.20	0.10	PASS
ALDICARB	ND	0.40	0.10	PASS	METALAXYL	ND	0.20	0.10	PASS
AZOXYSTROBIN	ND	0.20	0.10	PASS	METHIOCARB	ND	0.20	0.10	PASS
BIFENAZATE	ND	0.20	0.10	PASS	METHOMYL	ND	0.40	0.10	PASS
BOSCALID	ND	0.40	0.10	PASS	MGK-264	ND	0.20	0.10	PASS
BIFENTHRIN	ND	0.20	0.10	PASS	MYCLOBUTANIL	ND	0.20	0.10	PASS
CARBARYL	ND	0.20	0.10	PASS	NALED	ND	0.50	0.10	PASS
CARBOFURAN	ND	0.20	0.10	PASS	OXAMYL	ND	1.0	0.10	PASS
CHLORANTRANILIPR OLE	ND	0.20	0.10	PASS	PACLOBUTRAZOL	ND	0.40	0.10	PASS
CHLORPYRIFOS	ND	0.20	0.10	PASS	PARATHION-METHYL	ND	0.20	0.10	PASS
CLOFENTEZINE	ND	0.20	0.10	PASS	PERMETHRIN	ND	0.20	0.10	PASS
CYPERMETHRIN	ND	1.0	0.10	PASS	PHOSMET	ND	0.20	0.10	PASS
DAMINOZIDE	ND	1.0	0.10	PASS	PIPERONYL-BUTOXIDE	ND	2.0	0.10	PASS
DIAZINON	ND	0.20	0.10	PASS	PRALLETHRIN	ND	0.20	0.10	PASS
DICHLORVOS	ND	1.0	0.10	PASS	PROPICONAZOLE	ND	0.40	0.10	PASS
DIMETHOATE	ND	0.20	0.10	PASS	PROPOXUR	ND	0.20	0.10	PASS

ETHOPROPHOS	ND	0.20	0.10	PASS	PYRETHRINS	ND	1.0	0.10	PASS
ETOFENPROX	ND	0.40	0.10	PASS	PYRIDABEN	ND	0.20	0.10	PASS
ETOXAZOLE	ND	0.20	0.10	PASS	SPINOSYN A	ND	0.20	0.10	PASS
FENOXYCARB	ND	0.20	0.10	PASS	SPINOSYN D	ND	0.20	0.10	PASS
FIPRONIL	ND	0.40	0.10	PASS	SPIROMESIFEN	ND	0.20	0.10	PASS
FLONICAMID	ND	1.0	0.10	PASS	THIACLOPRID	ND	0.20	0.10	PASS
FLUDIOXONIL	ND	0.40	0.10	PASS	THIAMETHOXAM	ND	0.20	0.10	PASS
HEXYTHIAZOX	ND	1.0	0.10	PASS	TRIFLOXYSTROBIN	ND	0.20	0.10	PASS

ELEMENTAL IMPURITIES, ICP-MS, USP <232/223>				
HEAVY METALS	RESULT	ACTION LEVEL (PPM)	LOQ (PPM)	STATUS
ARSENIC	<LOQ	0.5	0.1	PASS
CADMIUM	<LOQ	0.5	0.1	PASS
LEAD	<LOQ	0.5	0.1	PASS
MERCURY	<LOQ	0.5	0.1	PASS

TOXINS, LCMS/MS, USP <561>				
MYCOTOXINS	RESULT	ACTION LEVEL (PPB)	LOQ (PPB)	STATUS
AFLATOXIN B1	<LOQ	20	6.0	PASS
AFLATOXIN B2	<LOQ	20	6.0	PASS
AFLATOXIN G1	<LOQ	20	6.0	PASS
AFLATOXIN G2	<LOQ	20	6.0	PASS
AFLATOXIN TOTAL	<LOQ	20	6.0	PASS
OCHRATOXIN A	<LOQ	20	12	PASS

RESIDUAL SOLVENTS, HEADSPACE GC, USP <467>				
RESIDUAL SOLVENTS	RESULTS	ACTION LEVEL (PPM)	LOQ (PPM)	STATUS
ACETONE	<LOQ	5000	87.90	PASS
CHLOROFORM	<LOQ	5000	26.70	PASS
ETHANOL	<LOQ	5000	26.7	PASS

HEXANE	<LOQ	290	36.6	PASS
I-BUTANE	<LOQ	5000	100.0	PASS
ISOPROPANOL	<LOQ	5000	52.3	PASS
METHANOL	<LOQ	3000	87.9	PASS
N-BUTANE	<LOQ	5000	200	PASS
PENTANE	PASSED	5000	389.5	PASS
TOLUENE	<LOQ	890	38.4	PASS

MICROBIOLOGICAL CONTAMINANTS, United Science LLC SOP		
MICROBIOLOGY	RESULTS	STATUS
ASPERGILLUS FLAVUS	ABSENCE	PASS
ASPERGILLUS FUMIGATUS	ABSENCE	PASS
ASPERGILLUS NIGER	ABSENCE	PASS
ASPERGILLUS TERREUS	ABSENCE	PASS
SALMONELLA	ABSENCE	PASS
STEC E. COLI	ABSENCE	PASS
LISTERIA	ABSENCE	PASS

WATER ACTIVITY, Aw, USP <922>	RESULTS	ACTION LEVEL	STATUS
WATER ACTIVITY	0.38	0.850	PASS

## QUALITY APPROVED

**DATE:** June 4, 2024

LAB DIRECTOR, BINGWEN YAN, PhD *Bingwen Yan, PhD*

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