

certificate ID

1DF12

# Nano Softgels 10mg

Lot# 21208

rec'd 4/7/2021 11:49:35 AM

prod. date 4/5/2021

order 10354



total cannabinoids

11.0mg

per

Gelcap

THC± ND

CBD± 10.4mg

This Product Has Been Tested and Complies with 7USC1639o(1)

Stillwater Laboratories



Potency	per	Gelcap	MSP-7.5.1.4	LOD	LOQ	error (95%CI k=2)	result
total cannabinoids			11.0mg	0.06	0.18	±0.38mg	
total THC±			ND	0.06	0.18	±0.18mg	
total THC (THC+THCa)			ND	0.06	0.18	±0.18mg	
total CBD±			10.4mg	0.06	0.18	±0.37mg	
total CBD (CBD+CBDA)			10.4mg	0.06	0.18	±0.37mg	
tetrahydrocannabinolic acid (THCa)			ND	0.06	0.19	±0.19mg	
Δ9-tetrahydrocannabinol (Δ9 THC)			ND	0.06	0.18	±0.18mg	
Δ8-tetrahydrocannabinol (Δ8 THC)			ND	0.08	0.24	±0.24mg	
tetrahydrocannabivarin (THCv)			ND	0.07	0.20	±0.20mg	
cannabidiolic acid (CBDA)			ND	0.05	0.16	±0.16mg	
cannabidiol (CBD)			10.4mg	0.06	0.19	±0.37mg	
cannabidivarin (CBDv)			ND	0.06	0.18	±0.18mg	
cannabigeronic acid (CBGa)			ND	0.06	0.17	±0.17mg	
cannabigerol (CBG)			0.6mg	0.02	0.05	±0.06mg	
cannabinol (CBN)			ND	0.03	0.10	±0.10mg	
cannabichromene (CBC)			ND	0.06	0.18	±0.18mg	

Microbial	MSP-7.5.1.10	limit	LOD	LOQ	error	result
E. coli	ND	0CFU	0.010	0.11	±0.1CFU	PASS
Salmonella sp.	ND	0CFU	0.010	0.11	±0.1CFU	PASS
molds	ND	10000CFU	2.51	7.41	±7.4CFU	PASS
Ochratoxin A	ND	20 ppb	0.51	1.4	±1.4 ppb	PASS
Aflatoxin B1B2G1G2	ND	20 ppb	0.51	1.5	±1.5 ppb	PASS

Solvents	MSP-7.5.1.7	limit	LOD	LOQ	error	result
Acetone	ND	5000 ppm	0.71	2.11	±2.1 ppm	PASS
Acetonitrile	ND	410 ppm	0.61	1.81	±1.8 ppm	PASS
Benzene	ND	0 ppm	0.010	0.1	±0.1 ppm	PASS
Butane	ND	5000 ppm	1.4	4.2	±4.2 ppm	PASS
Chloroform	ND	0 ppm	0.11	0.21	±0.2 ppm	PASS
Cyclohexane	ND	0 ppm	0.51	1.61	±1.6 ppm	PASS
Ethanol	ND	10000 ppm	0.71	2.11	±2.1 ppm	PASS
Heptane	ND	5000 ppm	0.41	1.21	±1.2 ppm	PASS
Hexane	ND	290 ppm	0.51	1.61	±1.6 ppm	PASS
Isopropyl alcohol	ND	5000 ppm	0.61	1.91	±1.9 ppm	PASS
Methanol	ND	3000 ppm	0.51	1.61	±1.6 ppm	PASS
Pentane	ND	5000 ppm	0.21	0.61	±0.6 ppm	PASS
Propane	ND	5000 ppm	0.51	1.61	±1.6 ppm	PASS
Toluene	ND	890 ppm	0.31	0.91	±0.9 ppm	PASS
Xylenes	ND	2170 ppm	0.31	1.01	±1.0 ppm	PASS

Metals	MSP-7.5.1.11	limit	LOD	LOQ	error	result
Arsenic	ND	1500 ppb	2.81	8.51	±8.5 ppb	PASS
Cadmium	ND	500 ppb	3.01	9.11	±9.1 ppb	PASS
Lead	ND	500 ppb	4.71	14.21	±14.2 ppb	PASS
Mercury	ND	300 ppb	2.41	7.11	±7.1 ppb	PASS

Pesticides	MSP-7.5.1.8	limit	LOD	LOQ	error	result
Pyrethrin	ND	1.00 ppm	0.003	0.009	±0.009 ppm	PASS
Pyridaben	ND	3.00 ppm	0.001	0.003	±0.003 ppm	PASS
Spinetoram	ND	3.00 ppm	0.004	0.012	±0.012 ppm	PASS
Spinosad	ND	3.00 ppm	0.008	0.023	±0.023 ppm	PASS
Spiromesifen	ND	12.00 ppm	0.004	0.011	±0.011 ppm	PASS
Spirotetramat	ND	13.00 ppm	0.003	0.008	±0.008 ppm	PASS
Spiroxamine	ND	0.00 ppm	0.001	0.003	±0.003 ppm	PASS
Tebuconazole	ND	2.00 ppm	0.006	0.017	±0.017 ppm	PASS
Thiacloprid	ND	0.10 ppm	0.001	0.004	±0.004 ppm	PASS
Thiamethoxam	ND	4.50 ppm	0.003	0.010	±0.010 ppm	PASS
Trifloxystrobin	ND	30.00 ppm	0.003	0.008	±0.008 ppm	PASS

Pesticides	MSP-7.5.1.8	limit	LOD	LOQ	error	result
Abamectin	ND	0.30 ppm	0.008	0.025	±0.025 ppm	PASS
Acephate	ND	5.00 ppm	0.009	0.026	±0.026 ppm	PASS
Acequinocyl	ND	4.00 ppm	0.007	0.022	±0.022 ppm	PASS
Acetamiprid	ND	5.00 ppm	0.006	0.018	±0.018 ppm	PASS
Aldicarb	ND	0.00 ppm	0.002	0.007	±0.007 ppm	PASS
Azoxystrobin	ND	40.00 ppm	0.002	0.007	±0.007 ppm	PASS
Bifenazate	ND	5.00 ppm	0.002	0.005	±0.005 ppm	PASS
Bifenthrin	ND	0.50 ppm	0.001	0.003	±0.003 ppm	PASS
Boscalid	ND	10.00 ppm	0.024	0.071	±0.071 ppm	PASS
Carbaryl	ND	0.50 ppm	0.009	0.028	±0.028 ppm	PASS
Carbofuran	ND	0.00 ppm	0.002	0.006	±0.006 ppm	PASS
Chloanthraniliprole	ND	40.00 ppm	0.023	0.068	±0.068 ppm	PASS
Chlorfenapyr	ND	0.00 ppm	0.006	0.018	±0.018 ppm	PASS
Chlorpyrifos	ND	0.00 ppm	0.047	0.141	±0.141 ppm	PASS
Clofentezine	ND	0.50 ppm	0.009	0.026	±0.026 ppm	PASS
Coumaphos	ND	0.00 ppm	0.006	0.018	±0.018 ppm	PASS
Cyfluthrin	ND	1.00 ppm	0.009	0.026	±0.026 ppm	PASS
Cypermethrin	ND	1.00 ppm	0.006	0.018	±0.018 ppm	PASS
Daminozide	ND	0.00 ppm	0.032	0.096	±0.096 ppm	PASS
Dichlorvos	ND	0.00 ppm	0.016	0.049	±0.049 ppm	PASS
Diazinon	ND	0.20 ppm	0.001	0.004	±0.004 ppm	PASS
Dimethoate	ND	0.00 ppm	0.002	0.007	±0.007 ppm	PASS
Etoxazole	ND	1.50 ppm	0.004	0.013	±0.013 ppm	PASS
Fenoxycarb	ND	0.00 ppm	0.004	0.012	±0.012 ppm	PASS
Fenpyroximate	ND	2.00 ppm	0.001	0.004	±0.004 ppm	PASS
Fipronil	ND	0.00 ppm	0.009	0.026	±0.026 ppm	PASS
Flonicamid	ND	2.00 ppm	0.114	0.341	±0.341 ppm	PASS
Fludioxonil	ND	30.00 ppm	0.008	0.023	±0.023 ppm	PASS
Hexythiazox	ND	2.00 ppm	0.001	0.003	±0.003 ppm	PASS
Imazalil	ND	0.00 ppm	0.008	0.023	±0.023 ppm	PASS
Imidacloprid	ND	3.00 ppm	0.001	0.004	±0.004 ppm	PASS
Malathion	ND	5.00 ppm	0.006	0.018	±0.018 ppm	PASS
Metaxalyl	ND	15.00 ppm	0.009	0.026	±0.026 ppm	PASS
Methiocarb	ND	0.00 ppm	0.004	0.013	±0.013 ppm	PASS
Methomyl	ND	0.10 ppm	0.001	0.002	±0.002 ppm	PASS
Methyl parathion	ND	0.00 ppm	0.001	0.004	±0.004 ppm	PASS
Mevinphos	ND	0.00 ppm	0.006	0.018	±0.018 ppm	PASS
Myclobutanil	ND	9.00 ppm	0.001	0.003	±0.003 ppm	PASS
Naled	ND	0.50 ppm	0.006	0.018	±0.018 ppm	PASS
Oxamyl	ND	0.20 ppm	0.003	0.008	±0.008 ppm	PASS
Pacllobutrazol	ND	0.00 ppm	0.003	0.010	±0.010 ppm	PASS
Permethrin	ND	20.00 ppm	0.011	0.034	±0.034 ppm	PASS
Phosmet	ND	0.20 ppm	0.003	0.010	±0.010 ppm	PASS
Piperonylbutoxide	ND	8.00 ppm	0.012	0.035	±0.035 ppm	PASS
Prallethrin	ND	0.40 ppm	0.004	0.013	±0.013 ppm	PASS
Propiconazole	ND	20.00 ppm	0.004	0.013	±0.013 ppm	PASS
Propoxur	ND	0.00 ppm	0.007	0.020	±0.020 ppm	PASS

SECURITY FEATURE: WATERMARK MUST MATCH CERTIFICATE ID AND ISSUE DATE

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406-881-2019

INSTRUMENTS: Potency by HPLC (LC2030C-UV), solvents and terpenes by GCMS (QP2020HS20), pesticides and mycotoxins by LCMSMS (LC8060), microbial by qPCR (AriaMx) and plating (Hardy Diagnostics), metals by ICPMS (ICPMS-2030)

\* All testing was completed onsite at 6073 US93N, Olney MT \*\* Potency (cannabinoid concentration) is calculated as: [cannabinoid] = [cannabinoid]<sub>HPLC</sub> x volume<sub>0.1M NaOH</sub> / M<sub>dry</sub> ... Decarboxylated cannabinoid concentration is calculated XXX<sub>total</sub> = 0.877 x XXX<sub>a</sub> + XXX ... Standards are used to calibrate the resulting data and estimate error using a standard estimate of error method; LOD is the limit of detection (3.3s), LOQ is the limit of quantification (3xLOD), and experimental error is calculated from weighing, dilution, and interpolation error using the formula s<sub>y</sub><sup>2</sup> = Σ(∂f/∂i)<sup>2</sup>s<sub>i</sub><sup>2</sup> where i is the contributor to error. The 95% confidence range is calculated from: (concentration) ± t<sub>CL90</sub> × S<sub>y</sub>. Sampling error is not considered in error calculations. ND = not detected (< LOD), NT = not tested, NL = no limit, NA = not applicable. ‡ = decarbed

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