

Client: Newell Sciences, Inc
555 Burrard Street - Suite 2900
Vancouver
CANADA

Certificate Code: AR-22-CC-565701-01

Page Number: Page 1 of 6

Reported On: 19/07/2022

PO reference:

Reported By: Goncalo Costa
Analytical Services Manager

Certificate of Analysis

Sample number	444-2022-00083513	Received on	27/06/2022
Your sample code	22-AHY-219	Analysis started on	06/07/2022
Your sample reference	Novel Food CBD Isolate		
Client	Newell Science	Additional information	Batch code - B#GVL TST235 PRIM
Production date	2022-05-31	Storage condition	Ambient
Product Code	NSISOG1	Matrix	Isolate

Test Code	Analyte	Results Units	LOQ	Method Ref.
SP514	† Acrinathrin	<0.4 mg/kg	0.4	
SP514	† Aldrin	<0.04 mg/kg	0.04	
SP514	† Benfluralin	<0.08 mg/kg	0.08	
SP514	† Bifenthrin	<0.4 mg/kg	0.4	
SP514	† Chlordane, cis-	<0.04 mg/kg	0.04	
SP514	† Chlordane, oxy-	<0.04 mg/kg	0.04	
SP514	† Chlordane, trans-	<0.04 mg/kg	0.04	
SP514	† Chlorfenapyr	<0.05 mg/kg	0.05	
SP514	† Chlorfenson	<0.05 mg/kg	0.05	
SP514	† Chlorothalonil	<0.1 mg/kg	0.1	
SP514	† Chlorthal-dimethyl	<0.04 mg/kg	0.04	
SP514	† Cyfluthrin	<0.4 mg/kg	0.4	
SP514	† Cyhalothrin, lambda-(incl. Cyhalothrin, gamma-)	<0.4 mg/kg	0.4	
SP514	† Cypermethrin (sum of isomers)	<0.4 mg/kg	0.4	
SP514	† Cyphenothrin	<0.4 mg/kg	0.4	
SP514	† DDD, o,p-	<0.04 mg/kg	0.04	
SP514	† DDD, p,p'-	<0.04 mg/kg	0.04	
SP514	† DDE, o,p-	<0.04 mg/kg	0.04	
SP514	† DDE, p,p'-	<0.04 mg/kg	0.04	
SP514	† DDT, o,p'-	<0.04 mg/kg	0.04	
SP514	† DDT, p,p'-	<0.04 mg/kg	0.04	
SP514	† Deltamethrin	<0.4 mg/kg	0.4	
SP514	† Dicloran	<0.04 mg/kg	0.04	
SP514	† Dicofol, o,p-	<0.2 mg/kg	0.2	
SP514	† Dicofol, p,p-	<0.2 mg/kg	0.2	
SP514	† Dieldrin	<0.04 mg/kg	0.04	
SP514	† Endosulfan sulphate	<0.1 mg/kg	0.1	
SP514	† Endosulfan, alpha-	<0.05 mg/kg	0.05	
SP514	† Endosulfan, beta-	<0.05 mg/kg	0.05	
SP514	† Endrin	<0.1 mg/kg	0.1	
SP514	† Fenfluthrin	<0.4 mg/kg	0.4	
SP514	† Fenpropathrin	<0.4 mg/kg	0.4	
SP514	† Fenson	<0.05 mg/kg	0.05	
SP514	† Fenvalerate (RR-/SS-Isomers)	<0.2 mg/kg	0.2	
SP514	† Fenvalerate (RS-/SR-Isomers)	<0.2 mg/kg	0.2	
SP514	† Fluchloralin	<0.04 mg/kg	0.04	



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SP514	†	Flucythrinate	<0.4	mg/kg	0.4
SP514	†	Flumetralin	<0.04	mg/kg	0.04
SP514	†	Fluvalinate (sum of isomers)	<0.4	mg/kg	0.4
SP514	†	Halfenprox	<0.4	mg/kg	0.4
SP514	†	HCH, alpha-	<0.04	mg/kg	0.04
SP514	†	HCH, beta-	<0.04	mg/kg	0.04
SP514	†	HCH, delta-	<0.04	mg/kg	0.04
SP514	†	HCH, epsilon-	<0.04	mg/kg	0.04
SP514	†	Heptachlor	<0.04	mg/kg	0.04
SP514	†	Heptachlor epoxide, cis-	<0.04	mg/kg	0.04
SP514	†	Heptachlor epoxide, trans-	<0.04	mg/kg	0.04
SP514	†	Hexachlorobenzene (HCB)	<0.04	mg/kg	0.04
SP514	†	loxynil-octanoate	<0.08	mg/kg	0.08
SP514	†	Isobenzan	<0.04	mg/kg	0.04
SP514	†	Isodrin	<0.04	mg/kg	0.04
SP514	†	Lindane (gamma-HCH)	<0.04	mg/kg	0.04
SP514	†	Methoxychlor	<0.08	mg/kg	0.08
SP514	†	Mirex	<0.08	mg/kg	0.08
SP514	†	Nitrofen	<0.04	mg/kg	0.04
SP514	†	Oxyfluorfen	<0.04	mg/kg	0.04
SP514	†	Pendimethalin	<0.1	mg/kg	0.1
SP514	†	Pentachloranisole	<0.04	mg/kg	0.04
SP514	†	Pentachloroaniline	<0.04	mg/kg	0.04
SP514	†	Pentachloroethoxyanisole	<0.04	mg/kg	0.04
SP514	†	Permethrin (sum of isomers)	<0.4	mg/kg	0.4
SP514	†	Polychloroterpene (Camphechlor)	<2	mg/kg	2
SP514	†	Quintozene	<0.04	mg/kg	0.04
SP514	†	S 421	<0.05	mg/kg	0.05
SP514	†	Screened pesticides	Not Detected		
SP514	†	Tecnazene	<0.04	mg/kg	0.04
SP514	†	Tefluthrin	<0.4	mg/kg	0.4
SP514	†	Tetradifon	<0.1	mg/kg	0.1
SP514	†	Tralomethrin	<0.4	mg/kg	0.4
SP514	†	Transfluthrin	<0.4	mg/kg	0.4
SP514	†	Triallate	<0.2	mg/kg	0.2
SP514	†	Trifluralin	<0.08	mg/kg	0.08
SP517	†	Acephate	<0.4	mg/kg	0.4
SP517	†	Amidithion	<0.4	mg/kg	0.4
SP517	†	Azinphos-ethyl	<1.5	mg/kg	1.5
SP517	†	Azinphos-methyl	<1.5	mg/kg	1.5
SP517	†	Bomyl	<0.4	mg/kg	0.4
SP517	†	Bromfenvinphos	<0.4	mg/kg	0.4
SP517	†	Bromophos-ethyl	<0.4	mg/kg	0.4
SP517	†	Bromophos-methyl	<0.4	mg/kg	0.4
SP517	†	Butamifos	<0.4	mg/kg	0.4
SP517	†	Cadusafos	<0.4	mg/kg	0.4
SP517	†	Carbophenothion	<0.4	mg/kg	0.4
SP517	†	Carbophenothion-methyl	<1	mg/kg	1
SP517	†	Chlorfenvinphos	<0.4	mg/kg	0.4



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SP517	†	Chlormephos	<0.4	mg/kg	0.4
SP517	†	Chlorpyrifos (-ethyl)	<0.4	mg/kg	0.4
SP517	†	Chlorpyrifos-methyl	<0.4	mg/kg	0.4
SP517	†	Chlorthion	<0.4	mg/kg	0.4
SP517	†	Chlorthiophos	<0.4	mg/kg	0.4
SP517	†	Coumaphos	<1	mg/kg	1
SP517	†	Crufomate	<0.4	mg/kg	0.4
SP517	†	Cyanofenphos	<0.4	mg/kg	0.4
SP517	†	Cyanophos	<0.4	mg/kg	0.4
SP517	†	Demeton-S-methyl	<0.4	mg/kg	0.4
SP517	†	Demeton-S-methyl-sulfone	<0.4	mg/kg	0.4
SP517	†	Diazinon	<0.4	mg/kg	0.4
SP517	†	Dicapthon	<0.4	mg/kg	0.4
SP517	†	Dichlofenthion	<0.4	mg/kg	0.4
SP517	†	Dichlorvos	<0.4	mg/kg	0.4
SP517	†	Dicrotophos	<0.4	mg/kg	0.4
SP517	†	Dimefox	<0.4	mg/kg	0.4
SP517	†	Dimethoate	<0.4	mg/kg	0.4
SP517	†	Dimethylvinphos	<0.4	mg/kg	0.4
SP517	†	Dioxabenzofos	<0.4	mg/kg	0.4
SP517	†	Dioxathion	<1	mg/kg	1
SP517	†	Disulfoton	<0.4	mg/kg	0.4
SP517	†	Disulfoton-sulfon	<0.4	mg/kg	0.4
SP517	†	Ditalimfos	<0.4	mg/kg	0.4
SP517	†	Edifenphos	<1	mg/kg	1
SP517	†	EPN	<1	mg/kg	1
SP517	†	Ethion	<0.4	mg/kg	0.4
SP517	†	Ethoprophos	<0.4	mg/kg	0.4
SP517	†	Etrimfos	<0.4	mg/kg	0.4
SP517	†	Famophos	<1	mg/kg	1
SP517	†	Fenamiphos	<1	mg/kg	1
SP517	†	Fenchlorphos	<0.4	mg/kg	0.4
SP517	†	Fenitrothion	<0.4	mg/kg	0.4
SP517	†	Fensulfothion	<0.4	mg/kg	0.4
SP517	†	Fensulfothion-oxon-sulfone	<1	mg/kg	1
SP517	†	Fenthion	<0.4	mg/kg	0.4
SP517	†	Fenthion-oxon-sulfone	<1	mg/kg	1
SP517	†	Fenthion-sulfone	<1	mg/kg	1
SP517	†	Fonofos	<0.2	mg/kg	0.2
SP517	†	Formothion	<0.4	mg/kg	0.4
SP517	†	Fosthietan	<0.4	mg/kg	0.4
SP517	†	Heptenophos	<0.4	mg/kg	0.4
SP517	†	Iodofenphos	<0.4	mg/kg	0.4
SP517	†	Iprobenfos	<0.4	mg/kg	0.4
SP517	†	Isocarbofos	<0.4	mg/kg	0.4
SP517	†	Isofenphos	<0.4	mg/kg	0.4
SP517	†	Isofenphos-methyl	<0.4	mg/kg	0.4
SP517	†	Isoxathion	<1	mg/kg	1
SP517	†	Leptophos	<1	mg/kg	1



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SP517	†	Malaoxon	<0.4	mg/kg	0.4
SP517	†	Malathion	<0.4	mg/kg	0.4
SP517	†	Mecarbam	<0.4	mg/kg	0.4
SP517	†	Mephosfolan	<0.4	mg/kg	0.4
SP517	†	Methacrifos	<0.4	mg/kg	0.4
SP517	†	Methamidophos	<0.4	mg/kg	0.4
SP517	†	Methidathion	<0.4	mg/kg	0.4
SP517	†	Mevinphos	<0.4	mg/kg	0.4
SP517	†	Monocrotophos	<0.4	mg/kg	0.4
SP517	†	Morphothion	<1	mg/kg	1
SP517	†	N-Desethyl-pirimiphos-methyl	<0.4	mg/kg	0.4
SP517	†	Omethoate	<0.4	mg/kg	0.4
SP517	†	Oxydemeton-methyl	<1	mg/kg	1
SP517	†	Paraoxon-ethyl	<0.4	mg/kg	0.4
SP517	†	Paraoxon-methyl	<0.4	mg/kg	0.4
SP517	†	Parathion-ethyl	<0.4	mg/kg	0.4
SP517	†	Parathion-methyl	<0.4	mg/kg	0.4
SP517	†	Phenkapton	<1	mg/kg	1
SP517	†	Phenthoate	<0.4	mg/kg	0.4
SP517	†	Phorate	<0.4	mg/kg	0.4
SP517	†	Phorate-sulfone	<0.4	mg/kg	0.4
SP517	†	Phorate-sulfoxide	<0.4	mg/kg	0.4
SP517	†	Phosalone	<1	mg/kg	1
SP517	†	Phosfolan	<0.4	mg/kg	0.4
SP517	†	Phosmet	<1	mg/kg	1
SP517	†	Phosphamidon	<0.4	mg/kg	0.4
SP517	†	Pirimiphos-ethyl	<0.4	mg/kg	0.4
SP517	†	Pirimiphos-methyl	<0.4	mg/kg	0.4
SP517	†	Profenofos	<0.4	mg/kg	0.4
SP517	†	Propetamphos	<0.4	mg/kg	0.4
SP517	†	Prothiofos	<0.4	mg/kg	0.4
SP517	†	Prothoate	<0.4	mg/kg	0.4
SP517	†	Pyraclufos	<1	mg/kg	1
SP517	†	Pyrazophos	<1	mg/kg	1
SP517	†	Pyridaphenthion	<0.4	mg/kg	0.4
SP517	†	Pyrimitate	<0.4	mg/kg	0.4
SP517	†	Quinalphos	<0.4	mg/kg	0.4
SP517	†	Quintiofos	<0.4	mg/kg	0.4
SP517	†	Screened pesticides	Not Detected		
SP517	†	Sulfotep	<0.4	mg/kg	0.4
SP517	†	Sulprofos	<1	mg/kg	1
SP517	†	TEPP	<0.4	mg/kg	0.4
SP517	†	Terbufos	<0.4	mg/kg	0.4
SP517	†	Tetrachlorvinphos	<0.4	mg/kg	0.4
SP517	†	Thiometon	<0.4	mg/kg	0.4
SP517	†	Thionazin	<0.4	mg/kg	0.4
SP517	†	Tolclofos-methyl	<0.4	mg/kg	0.4
SP517	†	Triamiphos	<1	mg/kg	1
SP517	†	Triazophos	<0.4	mg/kg	0.4



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SP517	† Trichlorfon	<1	mg/kg	1	
SP517	† Trichloronat	<0.4	mg/kg	0.4	
CCBD1	Cannabichromene (CBC)	<0.025	%	0.0025 %	CBD001
CCBD1	Cannabichromenic Acid (CBCA)	<0.025	%	0.0025 %	CBD001
CCBD1	Cannabicyclol (CBL)	<0.025	%	0.0025 %	CBD001
CCBD1	Cannabidiol (CBD)	98.7564	%	0.0025 %	CBD001
CCBD1	Cannabidiolic Acid (CBDA)	<0.025	%	0.0025 %	CBD001
CCBD1	Cannabidivarin (CBDV)	0.2957	%	0.0025 %	CBD001
CCBD1	Cannabidivarinic Acid (CBDVA)	<0.025	%	0.0025 %	CBD001
CCBD1	Cannabigerol (CBG)	<0.025	%	0.0025 %	CBD001
CCBD1	Cannabigerolic Acid (CBGA)	<0.025	%	0.0025 %	CBD001
CCBD1	Cannabinol (CBN)	<0.025	%	0.0025 %	CBD001
CCBD1	Cannabinolic Acid (CBNA)	<0.025	%	0.0025 %	CBD001
CCBD1	Tetrahydrocannabinolic Acid (THCA)	<0.025	%	0.0025 %	CBD001
CCBD1	Tetrahydrocannabivarin (THCV)	<0.025	%	0.0025 %	CBD001
CCBD1	Tetrahydrocannabivarinic Acid (THCVA)	<0.025	%	0.0025 %	CBD001
CCBD1	Total CBD (CBD+(CBDA X 0.877))	98.7564	%		CBD001
CCBD1	Total THC (THC+ (THCA x 0.877))	<0.025	%		CBD001
CCBD1	Δ8- Tetrahydrocannabinol (Δ8 -THC)	<0.05	%	0.005 %	CBD001
CCBD1	Δ9- Tetrahydrocannabinol (Δ9 -THC)	<0.025	%	0.0025 %	CBD001
JCSRA	† 1,1,1,2-Tetrachloroethane	<0.01	mg/kg	0.01 mg/kg	
JCSRA	† 1,1,1-Trichloroethane	<0.01	mg/kg	0.01 mg/kg	
JCSRA	† 1,1,2-Trichloroethane	<0.01	mg/kg	0.01 mg/kg	
JCSRA	† 1,1-Dichloroethane	<0.05	mg/kg	0.05 mg/kg	
JCSRA	† 1,2-Dichloroethane	<0.05	mg/kg	0.05 mg/kg	
JCSRA	† 2-Butanon (Methylethylketon)	<1	mg/kg	1 mg/kg	
JCSRA	† 2-Methylpentane	<1	mg/kg	1 mg/kg	
JCSRA	† 3-Methylpentane	<1	mg/kg	1 mg/kg	
JCSRA	† Benzene	<0.01	mg/kg	0.01 mg/kg	
JCSRA	† Bromodichloromethane	<0.05	mg/kg	0.05 mg/kg	
JCSRA	† Chloroform (Trichloromethane)	<0.01	mg/kg	0.01 mg/kg	
JCSRA	† cis-Dichloroethene	<0.05	mg/kg	0.05 mg/kg	
JCSRA	† Dibromochloromethane	<0.05	mg/kg	0.05 mg/kg	
JCSRA	† Dichloromethane	<0.05	mg/kg	0.05 mg/kg	
JCSRA	† Ethyl Acetate	<1	mg/kg	1 mg/kg	
JCSRA	† Ethylbenzene	<0.01	mg/kg	0.01 mg/kg	
JCSRA	† m-/p-Xylene	<0.01	mg/kg	0.01 mg/kg	
JCSRA	† Methyl acetate	<1	mg/kg	1 mg/kg	
JCSRA	† Methylcyclopentane	<1	mg/kg	1 mg/kg	
JCSRA	† n-Heptane	>250	mg/kg	1 mg/kg	
JCSRA	† n-Hexane	<1	mg/kg	1 mg/kg	
JCSRA	† n-Pentane	<1	mg/kg	1 mg/kg	
JCSRA	† Styrene	0.011	mg/kg	0.01 mg/kg	
JCSRA	† Sum 3 chlorinated solvents	innaplicable	mg/kg		
JCSRA	† Technical Hexane (calculated)	Innaplicable	mg/kg		
JCSRA	† Tetrachloroethene	<0.01	mg/kg	0.01 mg/kg	
JCSRA	† Tetrachloromethane	<0.01	mg/kg	0.01 mg/kg	
JCSRA	† Toluene	0.026	mg/kg	0.01 mg/kg	
JCSRA	† trans-Dichloroethene	<0.05	mg/kg	0.05 mg/kg	



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JCSRA †	Tribromomethane	<0.05	mg/kg	0.05 mg/kg
JCSRA †	Trichloroethene	<0.01	mg/kg	0.01 mg/kg
JCSRA †	Xylene (ortho-)	<0.01	mg/kg	0.01 mg/kg

† Indicates that the analysis was subcontracted and accredited to ISO 17025

Opinions and interpretations within this report are outside our accreditation scope.
Pass/Fail criteria or other comments where shown are based on specifications agreed with client or Eurofins general limits and do not take in to account measurement of uncertainty, unless stated
Unless otherwise stated, all results are expressed on a sample as received basis.
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Key: cfu colony forming units
< denotes less than
> denotes greater than
~ estimated value



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