

Client: MEDKAYA
Rua João de Ruão,
3060-179, Cantanhede
PORTUGAL

Certificate Code: AR-21-CC-590562-01
Page Number: Page 1 of 1
Reported On: 29/09/2021
PO reference: 1040349
Reported By: Hanin Bashir
Analytical Services Manager

Certificate of Analysis

Sample number	444-2021-00124633	Received on	27/09/2021
Your sample code	21-AQV-140	Analysis started on	28/09/2021
Your sample reference	MedKaya 3000mg CBD Full Spectrum / 30 ml / LTSP 0921		
Additional information	-	Production date	15/09/2021
Storage condition	Ambient	Product Code	30TINC3000
Matrix	CBD oil	Lot Number	LTSP 0921

Test Code	Analyte	Results	Units	LOQ	Method Ref.
CCBD1	Cannabichromene (CBC)	0.2719	%	0.0025 %	CBD001
CCBD1	Cannabichromenic Acid (CBCA)	0.0036	%	0.0025 %	CBD001
CCBD1	Cannabicyclol (CBL)	0.0228	%	0.0025 %	CBD001
CCBD1	Cannabidiol (CBD)	10.6506	%	0.0025 %	CBD001
CCBD1	Cannabidiolic Acid (CBDA)	0.0463	%	0.0025 %	CBD001
CCBD1	Cannabidivarin (CBDV)	0.2062	%	0.0025 %	CBD001
CCBD1	Cannabidivarinic Acid (CBDVA)	<0.0025	%	0.0025 %	CBD001
CCBD1	Cannabigerol (CBG)	0.6708	%	0.0025 %	CBD001
CCBD1	Cannabigerolic Acid (CBGA)	<0.0025	%	0.0025 %	CBD001
CCBD1	Cannabinol (CBN)	0.0112	%	0.0025 %	CBD001
CCBD1	Cannabinolic Acid (CBNA)	<0.0025	%	0.0025 %	CBD001
CCBD1	Tetrahydrocannabinolic Acid (THCA)	<0.0025	%	0.0025 %	CBD001
CCBD1	Tetrahydrocannabivarin (THCV)	<0.0025	%	0.0025 %	CBD001
CCBD1	Tetrahydrocannabivarinic Acid (THCVA)	<0.0025	%	0.0025 %	CBD001
CCBD1	Total CBD (CBD+(CBDA X 0.877))	10.6912	%		CBD001
CCBD1	Total THC (THC+ (THCA x 0.877))	0.1534	%		CBD001
CCBD1	Δ8- Tetrahydrocannabinol (Δ8 -THC)	<0.005	%	0.005 %	CBD001
CCBD1	Δ9- Tetrahydrocannabinol (Δ9 -THC)	0.1534	%	0.0025 %	CBD001

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Key: cfu colony forming units
< denotes less than
> denotes greater than
~ estimated value



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Certificate Code: AR-21-CC-590961-01

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Reported On: 12/10/2021

PO reference: 1035879

Reported By: Hanin Bashir
Analytical Services Manager

Certificate of Analysis

Sample number	444-2021-00122196	Received on	15/09/2021
Your sample code	21-AQL-869	Analysis started on	20/09/2021
Your sample reference	Dewaxed CBD Oil / LTSP 0921		
Additional information	-	Production date	31/08/2021
Storage condition	Ambient	Product Code	DW
Matrix	Dewaxed CBD Oil	Lot Number	LTSP 0921

Test Code	Analyte	Results	Units	LOQ	Method Ref.
FS052	† (-)-alpha-Bisabolol	43.00	ppm		
FS052	† (-)-Isopulegol	<10	ppm		
FS052	† (1S)-(+)-3-Carene	<10	ppm		
FS052	† (E)-b-Ocimene	<6.0	ppm		
FS052	† (R)-(+)-Limonene	<10	ppm		
FS052	† (Z)-b-Ocimene	<3.0	ppm		
FS052	† alpha-Humulene	420.00	ppm		
FS052	† alpha-Pinene	<10	ppm		
FS052	† alpha-Terpinene	10.00	ppm		
FS052	† beta-Caryophyllene	1400.00	ppm		
FS052	† beta-Myrcene	<10	ppm		
FS052	† beta-Pinene	<10	ppm		
FS052	† Camphene	<10	ppm		
FS052	† Eucalyptol	12.00	ppm		
FS052	† gamma-Terpinene	<10	ppm		
FS052	† Linalool	14.00	ppm		
FS052	† p-Cymene	<10	ppm		
FS052	† Terpinolene	10.00	ppm		

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

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Certificate Code: AR-21-CC-590541-01

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Reported On: 28/09/2021

PO reference: 1035879

Reported By: Stefan Kecojevic
Analytical Services Manager

Certificate of Analysis

Sample number	444-2021-00122198	Received on	15/09/2021
Your sample code	21-AQL-874	Analysis started on	15/09/2021
Your sample reference	Dewaxed CBD Oil / LTSP 0921		
Additional information	-	Production date	31/08/2021
Storage condition	Ambient	Product Code	DW
Matrix	Dewaxed CBD Oil	Lot Number	LTSP 0921

Test Code	Analyte	Results	Units	LOQ	Method Ref.	¹
UD007	Ash	0.7	g/100 g	0.1	Q/001	UD
UD017	Carbohydrates (available)	75.05	g/100 g	1	Q/035	UD
UD001	Crude Protein (Nx6.25) (Dumas)	0.5	g/100 g	0.1	Z/001	UD
UD771	Energy value (kcal)	489	kcal/100 g	0.1	Q/035	UD
UD771	Energy value (kJ)	2052	kJ/100 g	0.1	Q/035	UD
UDFB1	Monounsaturated fatty acids	2.36	g/100 g	0.1	CHROM/215	UD
UDFB1	Polyunsaturated fatty acids	12.59	g/100 g	0.1	CHROM/215	UD
UDFB1	Saturated fatty acids	4.55	g/100 g	0.1	CHROM/215	UD
UDFB1	Trans Fatty Acids	< 0.1	g/100 g	0.1	CHROM/215	UD
UDFA1	Trans fatty acids	<0.02	g/100 g fat	0.02	CHROM/215	UD
UD08D	Moisture	3.0	g/100 g	2	H/091	UD
UD815	Salt (via sodium x 2.5)	< 0.025	g/100 g	0.025	ICP/003	UD
UD015	Sodium	<0.01	g/100 g	0.01	ICP/003	UD
UD08W	Fructose	<0.1	g/100 g	0.1	CHROM/344	UD
UD08W	Galactose	<0.1	g/100 g	0.1	CHROM/344	UD
UD08W	Glucose	<0.1	g/100 g	0.1	CHROM/344	UD
UD08W	Lactose	<0.1	g/100 g	0.1	CHROM/344	UD
UD08W	Maltose	<0.1	g/100 g	0.1	CHROM/344	UD
UD08W	Sucrose	<0.1	g/100 g	0.1	CHROM/344	UD
UD08W	Total sugars	<0.1	g/100 g	0.1	CHROM/344	UD
B7039	Total Dietary Fibre (AOAC 991.43)	<0.5	g/100 g	0.5	H/085	UD
UD08C	Total Fat	20.8	g/100 g	0.5	H/090	UD

¹UD: analysis performed at EUDLWO

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Certificate Code: AR-21-CC-590519-01

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Reported On: 27/09/2021

PO reference: 1035879

Reported By: Giada Campini

Certificate of Analysis

Sample number	444-2021-00122192	Received on	15/09/2021
Your sample code	21-AQL-873	Analysis started on	19/09/2021
Your sample reference	Dewaxed CBD Oil / LTSP 0921		
Additional information	-	Production date	31/08/2021
Storage condition	Ambient	Product Code	DW
Matrix	Dewaxed CBD Oil	Lot Number	LTSP 0921

Test Code	Analyte	Results Units	LOQ	Method Ref.
RMC21 †	Aflatoxin B1	<0.1 µg/kg	0.1	
RMC21 †	Aflatoxin B2	<0.1 µg/kg	0.1	
RMC21 †	Aflatoxin G1	<0.1 µg/kg	0.1	
RMC21 †	Aflatoxin G2	<0.1 µg/kg	0.1	
RMC21 †	Total Aflatoxin (sum of B1,B2,G1,G2)	<0.4 µg/kg	0.4	
RMC30 †	Ochratoxin A	<0.4 µg/kg	0.4	

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PO Number 1035879

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Certificate Of Analysis

Sample number	444-2021-10086164	Received on	15/09/2021
Your sample reference	Dewaxed CBD Oil / LTSP 0921	Analysis Started on	15/09/2021
Additional information	-	Your sample code	21-AQL-871
Storage condition	Ambient	Production date	31/08/2021
Matrix	Dewaxed CBD Oil	Product Code	DW
		Lot Number	LTSP 0921

Test Code	Analyte	Result	SOP No.
UMRQJ	Aerobic Plate Count 30°C	< 10 cfu/g	EUMM3.14
UMWHQ	Escherichia coli	< 10 cfu/g	EUMM3.25
	B-Glucuronidase+		
UMRWB	Moulds	< 10 cfu/g	EUMM3.16
ZMBSR	Salmonella	Not Detected /10 g	EUMM3.83
UMRWB	Yeast	< 10 cfu/g	EUMM3.16



Reported validated by Hanin Bashir, Analytical Services Manager on 20/09/2021

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† Indicates that this test was subcontracted

\$ Indicates that this test was subcontracted to a UKAS accredited lab

* Indicates that this parameter is not included in the UKAS accreditation schedule for the laboratory.

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Certificate Code: AR-21-CC-590653-01

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Reported On: 01/10/2021

PO reference: 1035879

Reported By: Stefan Kecojevic
Analytical Services Manager

Certificate of Analysis

Sample number	444-2021-00122197	Received on	15/09/2021
Your sample code	21-AQL-876	Analysis started on	19/09/2021
Your sample reference	Dewaxed CBD Oil / LTSP 0921		
Additional information	-	Production date	31/08/2021
Storage condition	Ambient	Product Code	DW
Matrix	Dewaxed CBD Oil	Lot Number	LTSP 0921

Test Code	Analyte	Results Units	LOQ	Method Ref.
SP513	† Acephate	<0.2 mg/kg	0.2	
SP513	† Amidithion	<0.2 mg/kg	0.2	
SP513	† Azinphos-ethyl	<0.5 mg/kg	0.5	
SP513	† Azinphos-methyl	<0.5 mg/kg	0.5	
SP513	† Bomyl	<0.2 mg/kg	0.2	
SP513	† Bromfenvinphos	<0.2 mg/kg	0.2	
SP513	† Bromophos-ethyl	<0.2 mg/kg	0.2	
SP513	† Bromophos-methyl	<0.2 mg/kg	0.2	
SP513	† Butamifos	<0.2 mg/kg	0.2	
SP513	† Cadusafos	<0.2 mg/kg	0.2	
SP513	† Carbophenothion	<0.2 mg/kg	0.2	
SP513	† Carbophenothion-methyl	<0.4 mg/kg	0.4	
SP513	† Chlorfenvinphos	<0.2 mg/kg	0.2	
SP513	† Chlormephos	<0.2 mg/kg	0.2	
SP513	† Chlorpyrifos (-ethyl)	<0.2 mg/kg	0.2	
SP513	† Chlorpyrifos-methyl	<0.2 mg/kg	0.2	
SP513	† Chlorthion	<0.2 mg/kg	0.2	
SP513	† Chlorthiophos	<0.2 mg/kg	0.2	
SP513	† Coumaphos	<0.5 mg/kg	0.5	
SP513	† Crufomate	<0.2 mg/kg	0.2	
SP513	† Cyanofenphos	<0.4 mg/kg	0.4	
SP513	† Cyanophos	<0.2 mg/kg	0.2	
SP513	† Demeton-S-methyl	<0.2 mg/kg	0.2	
SP513	† Demeton-S-methyl-sulfone	<0.2 mg/kg	0.2	
SP513	† Diazinon	<0.2 mg/kg	0.2	
SP513	† Dicapthon	<0.2 mg/kg	0.2	
SP513	† Dichlofenthion	<0.2 mg/kg	0.2	
SP513	† Dichlorvos	<0.2 mg/kg	0.2	
SP513	† Dicrotophos	<0.2 mg/kg	0.2	
SP513	† Dimefox	<0.2 mg/kg	0.2	
SP513	† Dimethoate	<0.2 mg/kg	0.2	
SP513	† Dimethylvinphos	<0.2 mg/kg	0.2	
SP513	† Dioxabenzofos	<0.2 mg/kg	0.2	
SP513	† Dioxathion	<0.4 mg/kg	0.4	

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Reported On: 01/10/2021

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Reported By: Stefan Kecojevic
Analytical Services Manager

SP513	†	Disulfoton	<0.2 mg/kg	0.2
SP513	†	Disulfoton-sulfon	<0.2 mg/kg	0.2
SP513	†	Ditalimfos	<0.2 mg/kg	0.2
SP513	†	Edifenphos	<0.4 mg/kg	0.4
SP513	†	EPN	<0.2 mg/kg	0.2
SP513	†	Ethion	<0.2 mg/kg	0.2
SP513	†	Ethoprophos	<0.2 mg/kg	0.2
SP513	†	Etrimfos	<0.2 mg/kg	0.2
SP513	†	Famophos	<0.4 mg/kg	0.4
SP513	†	Fenamiphos	<0.4 mg/kg	0.4
SP513	†	Fenchlorphos	<0.2 mg/kg	0.2
SP513	†	Fenitrothion	<0.2 mg/kg	0.2
SP513	†	Fensulfothion	<0.2 mg/kg	0.2
SP513	†	Fensulfothion-oxon-sulfone	<0.5 mg/kg	0.5
SP513	†	Fenthion	<0.2 mg/kg	0.2
SP513	†	Fenthion-oxon-sulfone	<0.4 mg/kg	0.4
SP513	†	Fenthion-sulfone	<0.4 mg/kg	0.4
SP513	†	Fonofos	<0.2 mg/kg	0.2
SP513	†	Formothion	<0.2 mg/kg	0.2
SP513	†	Fosthietan	<0.2 mg/kg	0.2
SP513	†	Heptenophos	<0.2 mg/kg	0.2
SP513	†	Iodofenphos	<0.2 mg/kg	0.2
SP513	†	Iprobenfos	<0.2 mg/kg	0.2
SP513	†	Isocarbofos	<0.2 mg/kg	0.2
SP513	†	Isofenphos	<0.2 mg/kg	0.2
SP513	†	Isofenphos-methyl	<0.2 mg/kg	0.2
SP513	†	Isoxathion	<0.5 mg/kg	0.5
SP513	†	Leptophos	<0.4 mg/kg	0.4
SP513	†	Malaoxon	<0.2 mg/kg	0.2
SP513	†	Malathion	<0.2 mg/kg	0.2
SP513	†	Mecarbam	<0.2 mg/kg	0.2
SP513	†	Mephosfolan	<0.2 mg/kg	0.2
SP513	†	Methacrifos	<0.2 mg/kg	0.2
SP513	†	Methamidophos	<0.2 mg/kg	0.2
SP513	†	Methodathion	<0.2 mg/kg	0.2
SP513	†	Mevinphos	<0.2 mg/kg	0.2
SP513	†	Monocrotophos	<0.2 mg/kg	0.2
SP513	†	Morphothion	<0.4 mg/kg	0.4
SP513	†	N-Desethyl-pirimiphos-methyl	<0.2 mg/kg	0.2
SP513	†	Omethoate	<0.2 mg/kg	0.2
SP513	†	Oxydemeton-methyl	<0.4 mg/kg	0.4
SP513	†	Paraoxon-ethyl	<0.2 mg/kg	0.2
SP513	†	Paraoxon-methyl	<0.2 mg/kg	0.2
SP513	†	Parathion-ethyl	<0.2 mg/kg	0.2
SP513	†	Parathion-methyl	<0.2 mg/kg	0.2
SP513	†	Phenkapton	<0.4 mg/kg	0.4
SP513	†	Phenthoate	<0.2 mg/kg	0.2

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Analytical Services Manager

SP513	†	Phorate	<0.4 mg/kg	0.4
SP513	†	Phorate-sulfone	<0.4 mg/kg	0.4
SP513	†	Phorate-sulfoxide	<0.4 mg/kg	0.4
SP513	†	Phosalone	<0.4 mg/kg	0.4
SP513	†	Phosfolan	<0.2 mg/kg	0.2
SP513	†	Phosmet	<0.4 mg/kg	0.4
SP513	†	Phosphamidon	<0.2 mg/kg	0.2
SP513	†	Pirimiphos-ethyl	<0.2 mg/kg	0.2
SP513	†	Pirimiphos-methyl	<0.2 mg/kg	0.2
SP513	†	Profenofos	<0.2 mg/kg	0.2
SP513	†	Propetamphos	<0.2 mg/kg	0.2
SP513	†	Prothiofos	<0.2 mg/kg	0.2
SP513	†	Prothoate	<0.2 mg/kg	0.2
SP513	†	Pyraclofos	<0.4 mg/kg	0.4
SP513	†	Pyrazophos	<0.4 mg/kg	0.4
SP513	†	Pyridaphenthion	<0.2 mg/kg	0.2
SP513	†	Pyrimitate	<0.2 mg/kg	0.2
SP513	†	Quinalphos	<0.2 mg/kg	0.2
SP513	†	Quintiofos	<0.2 mg/kg	0.2
SP513	†	Screened pesticides	Not Detected	
SP513	†	Sulfotep	<0.2 mg/kg	0.2
SP513	†	Sulprofos	<0.4 mg/kg	0.4
SP513	†	TEPP	<0.2 mg/kg	0.2
SP513	†	Terbufos	<0.2 mg/kg	0.2
SP513	†	Tetrachlorvinphos	<0.2 mg/kg	0.2
SP513	†	Thiometon	<0.2 mg/kg	0.2
SP513	†	Thionazin	<0.2 mg/kg	0.2
SP513	†	Tolclofos-methyl	<0.2 mg/kg	0.2
SP513	†	Triamiphos	<0.4 mg/kg	0.4
SP513	†	Triazophos	<0.2 mg/kg	0.2
SP513	†	Trichlorfon	<0.5 mg/kg	0.5
SP513	†	Trichloronat	<0.2 mg/kg	0.2

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