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## CERTIFICATE OF ANALYSIS

<b>CUSTOMER:</b>	HOLUS	<b>SAMPLE NUMBER:</b>	1 g
<b>PRODUCT NAME:</b>	HOLUS KEYLIME TF TINCTURE	<b>CERTIFICATION DATE:</b>	07NOV19
<b>PACKAGE SIZE:</b>	30 ml	<b>MANUFACTURE DATE:</b>	07NOV19
<b>LOT NUMBER:</b>	1904NM6470002	<b>RECERTIFICATION DATE:</b>	N/A
<b>DESCRIPTION</b>	250 mg CBD, THC FREE TINCTURE WITH KEY LIME FLAVORING		
<b>EXPIRATION DATE:</b>	NOV 2020		
<b>STORAGE CONDITIONS:</b>	KEEP AWAY FROM EXPOSURE TO LIGHT.		

CANNABINOID NAME	% POTENCY	CONC. mg/g
CANNABIDIOLIC ACID (CBDa)	0.00	0.00
CANNABIDIOL (CBD)	0.95	9.5
<b>TOTAL CBD</b>	<b>0.95</b>	<b>9.5</b>
<b>TOTAL THC</b>	<b>0.00</b>	<b>0.00</b>

TEST DESCRIPTION	SPECIFICATION	RESULTS	STATUS
<b>ASSAY ( BY HPLC)</b>	TOTAL CANNABIDIOL	AS REPORTED	PASS
APPEARANCE	CLEAR LIQUID	CLEAR LIQUID	PASS
SOLUBILITY	SPARINGLY SOLUBLE IN WATER	N/A	N/A
ORGANOLEPTIC	SMELL MATCHES SCENT/FLAVOR	MILD KEY LIME SMELL	PASS

PESTICIDES									
ANALYTE	Result (PPM)	ACTION LEVEL (PPM)	LOQ (PPM)	Status	ANALYTE	Result (PPM)	ACTION LEVEL (PPM)	LOQ (PPM)	Status
ABAMECTIN	<LOQ	0.500	0.100	PASS	IMAZALIL	<LOQ	0.200	0.100	PASS
ACEPHATE	<LOQ	0.400	0.100	PASS	IMIDACLOPRID	<LOQ	0.400	0.100	PASS
ACEQUINOCYL	<LOQ	2.000	0.750	PASS	KRESOXIM METHYL	<LOQ	0.400	0.100	PASS

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PESTICIDES									
ANALYTE	Result (PPM)	ACTION LEVEL (PPM)	LOQ (PPM)	Status	ANALYTE	Result (PPM)	ACTION LEVEL (PPM)	LOQ (PPM)	Status
ALDICARB	<LOQ	0.400	0.100	PASS	METALAXYL	<LOQ	0.200	0.100	PASS
AZOXYSTROBIN	<LOQ	0.200	0.100	PASS	METHIOCARB	<LOQ	0.200	0.100	PASS
BOSCALID	<LOQ	0.200	0.100	PASS	METHOMYL	<LOQ	0.400	0.100	PASS
BIFENAZATE	<LOQ	0.400	0.100	PASS	MGK-264	<LOQ	0.200	0.100	PASS
BIFENTHRIN	<LOQ	0.200	0.100	PASS	MYCLOBUTANIL	<LOQ	0.200	0.100	PASS
CARBARYL	<LOQ	0.200	0.100	PASS	NALED	<LOQ	0.500	0.100	PASS
CARBOFURAN	<LOQ	0.200	0.100	PASS	OXAMYL	<LOQ	1.000	0.100	PASS
CHLORANTRANILIPROLE	<LOQ	0.200	0.100	PASS	PACLOBUTRAZOL	<LOQ	0.400	0.100	PASS
CHLORPYRIFOS	<LOQ	0.200	0.100	PASS	PARATHION- METHYL	<LOQ	0.200	0.250	PASS
CLOFENTEZINE	<LOQ	0.200	0.100	PASS	PERMETHRIN	<LOQ	0.200	0.100	PASS
CYPERMETHRIN	<LOQ	1.000	0.100	PASS	PHOSMET	<LOQ	0.200	0.100	PASS
DAMINOZIDE	<LOQ	1.000	0.100	PASS	PIPERONYLBUTOXIDE	<LOQ	2.000	0.100	PASS
DIAZINON	<LOQ	0.200	0.100	PASS	PRALLETHRIN	<LOQ	0.200	0.100	PASS
DICHLORVOS	<LOQ	0.100	0.100	PASS	PROPICONAZOLE	<LOQ	0.400	0.100	PASS
DIMETHOATE	<LOQ	0.200	0.100	PASS	PROPOXUR	<LOQ	0.200	0.100	PASS
ETHOPROPHOS	<LOQ	0.200	0.100	PASS	PYRETHRINS	<LOQ	1.000	0.100	PASS
ETOFENPROX	<LOQ	0.400	0.100	PASS	PYRIDABEN	<LOQ	0.200	0.100	PASS
ETOXAZOLE	<LOQ	0.200	0.100	PASS	SPINOSYN A	<LOQ	0.200	0.100	PASS
FENOXYCARB	<LOQ	0.200	0.100	PASS	SPINOSYN D	<LOQ	0.200	0.100	PASS
FIPRONIL	<LOQ	0.400	0.100	PASS	SPIROMESIFEN	<LOQ	0.200	0.100	PASS
FLONICAMID	<LOQ	1.000	0.100	PASS	TEBUCONAZOLE	<LOQ	0.400	0.100	PASS
FLUDIOXONIL	<LOQ	0.400	0.100	PASS	THIACLOPRID	<LOQ	0.200	0.100	PASS
HEXYTHIAZOX	<LOQ	1.000	0.100	PASS	THIAMETHOXAM	<LOQ	0.200	0.100	PASS
SPIROTETRAMAT	<LOQ	0.200	0.100	PASS	TRIFLOXYSTROBIN	<LOQ	0.200	0.100	PASS
SPIROXAMINE	<LOQ	0.400	0.100	PASS					



HEAVY METALS				
ANALYTE	RESULT (PPB)	ACTION LEVEL (PPB)	LOQ (PPB)	STATUS
ARSENIC (As)	<LOQ	500.0	100.0	PASS
CADMIUM (Cd)	<LOQ	500.0	100.0	PASS
LEAD (Pb)	<LOQ	500.0	100.0	PASS
MERCURY (Hg)	<LOQ	500.0	100.0	PASS

MYCOTOXINS				
ANALYTE	RESULT (PPB)	ACTION LEVEL (PPB)	LOQ (PPB)	STATUS
AFLATOXIN B1	<LOQ		6.0	PASS
AFLATOXIN B2	<LOQ		6.0	PASS
AFLATOXIN G1	<LOQ		6.0	PASS
AFLATOXIN G2	<LOQ		6.0	PASS
AFLATOXIN TOTAL	<LOQ	20.0	6.0	PASS
OCHRATOXIN A	<LOQ	20.0	12.0	PASS

MICROBIOLOGY		
ANALYTE	RESULTS	STATUS
ASPERGILLUS FLAVUS	ABSENCE	PASS
ASPERGILLUS FUMIGATUS	ABSENCE	PASS
ASPERGILLUS NIGER	ABSENCE	PASS
ASPERGILLUS TERREUS	ABSENCE	PASS



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SALMONELLA	ABSENCE	PASS
STEC E. COLI	ABSENCE	PASS

RESIDUAL SOLVENTS				
ANALYTE	RESULTS (PPB)	ACTION LEVEL (PPB)	LOQ (PPB)	STATUS
ACETONE	<LOQ	5000	87.9	PASS
BENZENE	<LOQ	1.6	1.6	PASS
CHLOROFORM	<LOQ	53	53.0	PASS
ETHANOL	<LOQ	5,000	26.7	PASS
HEXANE	<LOQ	60	36.6	PASS
I-BUTANE	<LOQ	5,000	100.0	PASS
ISOPROPANOL	<LOQ	5,000	52.3	PASS
METHANOL	<LOQ	3,000	87.9	PASS
N-BUTANE	<LOQ	5,000	200.0	PASS
PENTANE	<LOQ	5,000	389.5	PASS
TOLUENE	<LOQ	890	38.4	PASS

## QUALITY APPROVED

DATE: 07NOV19

QUALITY MANAGER, NANCY CARTER

*Nancy H. Carter*

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