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CERTIFICATE OF ANALYSIS

CUSTOMER:	HOLUS.	**SAMPLE NUMBER:**	1 g
PRODUCT NAME:	HOLUS STRAWBERRY TF TINCTURE	**CERTIFICATION DATE:**	04SEPT19
PACKAGE SIZE:	30 ml	**MANUFACTURE DATE:**	30AUG19
LOT NUMBER:	1903NM6440001	**RECERTIFICATION DATE:**	N/A
DESCRIPTION	500 mg CBD, THC FREE TINCTURE WITH STRAWBERRY FLAVORING		
EXPIRATION DATE:	SEPT 2020		
STORAGE CONDITIONS:	KEEP AWAY FROM EXPOSURE TO LIGHT.		

CANNABINOID NAME	% POTENCY	CONC. mg/g
CANNABIDIOLIC ACID (CBDa)	0.00	0.00
CANNABIDIOL (CBD)	1.62	16.2
TOTAL CBD	**1.62**	**16.2**
TOTAL THC	**0.00**	**0.00**

TEST DESCRIPTION	SPECIFICATION	RESULTS	STATUS
ASSAY (BY HPLC)	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 STRAWBERRY 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					

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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: 04SEP19
QUALITY MANAGER, NANCY CARTER *Nancy H. Carter*

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