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## Certificate Of Analysis

## MANNA PRODUCTION

TNW Sample ID 2111TNW1008.6203

Sample Name: Tangerine Dream

Date Received: 11/11/2021

Matrix: Flower

Date Reported: 11/16/2021

Pretransfer Inventory ID WAJ412678.IN12NXGF

Cient License #: WAJ412678

Leaf Inventory ID WAL6.IN12QKGF

POTENCY			Method HPLC WSLCB	
Parameter	Result	Units	Limits	Pass/Fail
Δ9 THC	0.20	%	n/a	n/a
Δ8 THC	<0.03	%	n/a	n/a
THCA	18.81	%	n/a	n/a
CBD	<0.03	%	n/a	n/a
CBDA	0.03	%	n/a	n/a
CBN	<0.03	%	n/a	n/a
CBC	<0.03	%	n/a	n/a
THCV	<0.03	%	n/a	n/a
CBGA	0.78	%	n/a	n/a
CBG	0.03	%	n/a	n/a
Total LCB THC	16.69	%	n/a	n/a
Total LCB CBD	0.03	%	n/a	n/a
Total LCB Cannabinoids (THC/CBD)	16.72	%	n/a	n/a
Total Cannabinoids uc	19.85	%	n/a	n/a

WATER ACTIVITY			Method Hygrometer WSLCB	
Parameter	Result	Units	Limits	Pass/Fail
Water Activity	0.56	aW	<0.65	Pass

RESIDUAL SOLVENTS			Method GC-MS HS WSLCB		
Parameter	Result	Units	Limits	Pass/Fail	LLQ
Propane	n/a	ppm	5000	n/a	50
Butanes	n/a	ppm	5000	n/a	50
Methanol	n/a	ppm	3000	n/a	100
Pentanes	n/a	ppm	5000	n/a	50
Acetone	n/a	ppm	5000	n/a	50
Isopropanol	n/a	ppm	5000	n/a	100
Dichloromethane	n/a	ppm	600	n/a	50
Hexane	n/a	ppm	290	n/a	50
Ethyl Acetate	n/a	ppm	5000	n/a	50
Chloroform	n/a	ppm	2	n/a	2
Cyclohexane	n/a	ppm	3880	n/a	50
Benzene	n/a	ppm	2	n/a	2
Heptane	n/a	ppm	5000	n/a	50
Toluene	n/a	ppm	890	n/a	50
Total Xylenes	n/a	ppm	2170	n/a	50
Total Residual Solvents	n/a	ppm			

MICROBIOLOGICAL			Method FDA BAM WSLCB	
Parameter	Result	Units	Limits	Pass/Fail
Bile-Tolerant Gram-Negative	nd	CFU/g	<10,000	Pass
E. Coli	nd	CFU/g	*	Pass
Salmonella	nd	CFU/g	*	Pass

MOISTURE			Method Gravimetric WSLCB	
Parameter	Result	Units	Limits	Pass/Fail
Moisture	4.3	%	≤15	Pass

MYCOTOXINS			Method ELISA WSLCB	
Parameter	Result	Units	Limits	Pass/Fail
Aflatoxin	<20	ppb	<20	Pass
Ochratoxin	<20	ppb	<20	Pass

FOREIGN MATTER			Method Visual WSLCB	
Parameter	Result	Units	Limits	Pass/Fail
Stems	nd	%	≤5	Pass
Other	nd	%	≤2	Pass

Terpenes % by weight		Method GC-FID		
Parameter	Result	Parameter	Result	Unit
alpha-Pinene	n/a	Gamma Terpinene	n/a	%
Camphene	n/a	Terpinolene	n/a	%
beta-Myrcene	n/a	Linalool	n/a	%
beta-Pinene	n/a	Isopulegol	n/a	%
delta-3-Carene	n/a	Geraniol	n/a	%
alpha-Terpinene	n/a	beta-Caryophyllene	n/a	%
Ocimene	n/a	alpha-Humulene	n/a	%
D-Limonene	n/a	Nerolidol 1, 2	n/a	%
p-Cymene	n/a	Guaiol	n/a	%
beta-Ocimene	n/a	Caryophyllene Oxide	n/a	%
1,8-Cineole (Eucalyptol)	n/a	alpha-Bisabolol	n/a	%
Total Terpenes	n/a		n/a	%

**Total THC**  
**16.69**

**Total CBD**  
**0.03**

**Total Cannabinoids**  
**19.85**

**Microbials**  
**Pass**

**Mycotoxins**  
**Pass**

**KEY:**

- "nd" = Not Detected
- "n/a" = Not Applicable-Any Amount Is Acceptable
- "ip" = Interference Prevents Determination.
- "uc" = unconverted THCA & CBDA
- \*\*= Non-Detect In 1 gm of Sample

Signed by: Jamie Deyman  
Title: President

This report was reviewed & approved by:



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