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## Dr. Who

Metrc Sample: 1A40603000099ED000010876; Metrc Batch: 1A4060300001F41000000531

Sample ID: HR20201290732 Produced: 12/15/2020 Distributor Producer Strain: Dr. Who Collected: 12/17/2020 Purple Star MD Purple Star MD Matrix: Concentrates & Extracts Received: 12/17/2020 Lic. # C11-0000006-LIC Lic. # CDPH-10002056

Type: Shatter Completed: 12/23/2020 2525 Phelps St 2525 Phelps St, San Francisco, CA 94124

Sample Size: 13 units; Batch: 1,711 units Batch#: CO-20114 San Francisco, CA 94124



# Summary

,		
Test	Date Tested	Result
Batch		Pass
Cannabinoids	12/21/2020	Pass
Terpenes	12/18/2020	Complete
Residual Solvents	12/18/2020	Pass
Microbials	12/18/2020	Pass
Mycotoxins	12/21/2020	Pass
Pesticides	12/18/2020	Pass
Heavy Metals	12/18/2020	Pass
Foreign Matter	12/17/2020	Pass

**Pass** Cannabinoids

		45
76.62%	2.25%	89.54%
Total THC	Total CBD	Total Cannabinoids

Analyte	LOD	LOQ	Result	Result	
	%	%	%	mg/unit	
THCa	0.0033	0.0100	84.14	841.4	
Δ9-ΤΗС	0.0033	0.0100	2.83	28.3	
CBDa	0.0033	0.0100	2.57	25.7	
CBD	0.0033	0.0100	ND	ND	
CBN	0.0010	0.0025	ND	ND	
CBG	0.0010	0.0025	ND	ND	
Total THC			76.62	766.20	
Total CBD			2.25	22.50	
Total			89.54	895.4	

1 Unit = g. 1g.

Determination of Cannabinoids by HPLC, HL223

Total THC = THCa \* 0.877 + Δ9-THC Total CBD = CBDa \* 0.877 + CBD

ND = Not Detected; NR = Not Reported; LOD = Limit of Detection; The reported result is based on a sample weight with the applicable moisture content for that sample; Unless otherwise stated all quality control samples performed within specifications established by the Laboratory. HL105.10-01





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## Dr. Who

Metrc Sample: 1A40603000099ED000010876; Metrc Batch: 1A4060300001F41000000531

Sample ID: HR20201290732 Produced: 12/15/2020 Distributor Producer Strain: Dr. Who Collected: 12/17/2020 Purple Star MD Matrix: Concentrates & Extracts Received: 12/17/2020 Lic. # C11-0000006-LIC Type: Shatter Completed: 12/23/2020 2525 Phelps St

Sample Size: 13 units; Batch: 1,711 units Batch#: CO-20114 San Francisco, CA 94124 Purple Star MD Lic. # CDPH-10002056

2525 Phelps St, San Francisco, CA 94124

## **Terpenes**

Analyte	LOD	LOQ	Results	Results	
	%	%	%	mg/g	
δ-Limonene	0.0080	0.0100	0.700	7.00	
β-Caryophyllene	0.0080	0.0100	0.530	5.30	
β-Pinene	0.0080	0.0100	0.200	2.00	
α-Humulene	0.0080	0.0100	0.170	1.70	
α-Pinene	0.0080	0.0100	0.150	1.50	
Fenchol	0.0080	0.0100	0.150	1.50	
β-Myrcene	0.0080	0.0100	0.140	1.40	
cis-Nerolidol	0.0080	0.0100	0.110	1.10	
Linalool	0.0080	0.0100	0.100	1.00	
Camphene	0.0080	0.0100	0.060	0.60	
Guaiol	0.0080	0.0100	0.060	0.60	
trans-Nerolidol	0.0080	0.0100	0.060	0.60	
α-Terpineol	0.0080	0.0100	0.050	0.50	
α-Bisabolol	0.0080	0.0100	0.040	0.40	(R)
Borneol	0.0080	0.0100	0.030	0.30	
Nerol	0.0080	0.0100	0.030	0.30	
Caryophyllene Oxide	0.0080	0.0100	0.020	0.20	
3-Carene	0.0080	0.0100	ND	ND	
α-Phellandrene	0.0080	0.0100	ND	ND	
α-Terpinene	0.0080	0.0100	ND	ND	
β-Ocimene	0.0080	0.0100	ND	ND	
Eucalyptol	0.0080	0.0100	ND	ND	
Fenchone	0.0080	0.0100	ND	ND	
y-Terpinene	0.0080	0.0100	ND_	ND	
Geraniol	0.0080	0.0100	ND	ND	
Geranyl Acetate	0.0080	0.0100	ND	ND	
Isopulegol	0.0080	0.0100	ND	ND	
Menthol	0.0080	0.0100	ND	ND	
Ocimene	0.0080	0.0100	ND	ND	
Pulegone	0.0080	0.0100	ND	ND	
p-Cymene	0.0080	0.0100	ND	ND	
Terpinolene	0.0080	0.0100	ND	ND	
Total			2.600	26.00	

## **Primary Aromas**











Date Tested: 12/18/2020

ND = Not Detected; NR = Not Reported; LOD = Limit of Detection; Unless otherwise stated all quality control samples performed within specifications established by the Laboratory. HL105.10-





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## Dr. Who

Metrc Sample: 1A40603000099ED000010876; Metrc Batch: 1A4060300001F41000000531

 Sample ID: HR20201290732
 Produced: 12/15/2020
 Distributor
 Producer

 Strain: Dr. Who
 Collected: 12/17/2020
 Purple Star MD
 Purple Star MD

 Matrix: Concentrates & Extracts
 Received: 12/17/2020
 Lic.# C11-0000006-LIC
 Lic.# CDPH-10002056

Type: Shatter Completed: 12/23/2020 2525 Phelps St 2525 Phelps St, San Francisco, CA 94124

Sample Size: 13 units; Batch: 1,711 units Batch#: CO-20114 San Francisco, CA 94124

Pesticides Pass

Analyte	LOD	LOQ	Limit	Results	Status	Analyte	LOD	LOQ	Limit	Results	Status
	μg/g	µg/g	µg/g	μg/g			µg/g	μg/g	µg/g	μg/g	
Abamectin	0.03	0.1	0.1	ND	Pass	Fludioxonil	0.03	0.1	0.1	ND	Pass
Acephate	0.03	0.1	0.1	ND	Pass	Hexythiazox	0.03	0.1	0.1	ND	Pass
Acequinocyl	0.03	0.1	0.1	ND	Pass	lmazalil	0.03	0.1	0.03	ND	Pass
Acetamiprid	0.03	0.1	0.1	ND	Pass	Imidacloprid	0.03	0.1	5	ND	Pass
Aldicarb	0.03	0.1	0.03	ND	Pass	Kresoxim Methyl	0.03	0.1	0.1	ND	Pass
Azoxystrobin	0.03	0.1	0.1	ND	Pass	Malathion	0.03	0.1	0.5	ND	Pass
Bifenazate	0.03	0.1	0.1	ND	Pass	Metalaxyl	0.03	0.1	2	ND	Pass
Bifenthrin	0.03	0.1	3	ND	Pass	Methiocarb	0.03	0.1	0.03	ND	Pass
Boscalid	0.03	0.1	0.1	ND	Pass	Methomyl	0.03	0.1	1	ND	Pass
Captan	0.03	0.1	0.7	ND	Pass	Mevinphos	0.03	0.1	0.03	ND	Pass
Carbaryl	0.03	0.1	0.5	ND	Pass	Myclobutanil	0.03	0.1	0.1	ND	Pass
Carbofuran	0.03	0.1	0.03	ND	Pass	Naled	0.03	0.1	0.1	ND	Pass
Chlorantraniliprole	0.03	0.1	10	ND	Pass	Oxamyl	0.03	0.1	0.5	ND	Pass
Chlordane	0.03	0.1	0.03	ND	Pass	Paclobutrazol	0.03	0.1	0.03	ND	Pass
Chlorfenapyr	0.03	0.1	0.03	ND	Pass	Parathion Methyl	0.03	0.1	0.03	ND	Pass
Chlorpyrifos	0.03	0.1	0.03	ND	Pass	Pentachloronitrobenzene	0.03	0.1	0.1	ND	Pass
Clofentezine	0.03	0.1	0.1	ND	Pass	Permethrin	0.03	0.1	0.5	ND	Pass
Coumaphos	0.03	0.1	0.03	ND	Pass	Phosmet	0.03	0.1	0.1	ND	Pass
Cyfluthrin	0.03	0.1	2	ND	Pass	Piperonyl Butoxide	0.03	0.1	3	ND	Pass
Cypermethrin	0.03	0.1	1	ND	Pass	Prallethrin	0.03	0.1	0.1	ND	Pass
Daminozide	0.03	0.1	0.03	ND	Pass	Propiconazole	0.03	0.1	0.1	ND	Pass
Diazinon	0.03	0.1	0.1	ND	Pass	Propoxur	0.03	0.1	0.03	ND	Pass
Dichlorvos	0.03	0.1	0.03	ND	Pass	Pyrethrins	0.03	0.1	0.5	ND	Pass
Dimethoate	0.03	0.1	0.03	ND	Pass	Pyridaben	0.03	0.1	0.1	ND	Pass
Dimethomorph	0.03	0.1	2	ND	Pass	Spinetoram	0.03	0.1	0.1	ND	Pass
Ethoprophos	0.03	0.1	0.03	ND	Pass	Spinosad	0.03	0.1	0.1	ND	Pass
Etofenprox	0.03	0.1	0.03	ND	Pass	Spiromesifen	0.03	0.1	0.1	ND	Pass
Etoxazole	0.03	0.1	0.1	ND	Pass	Spirotetramat	0.03	0.1	0.1	ND	Pass
Fenhexamid	0.03	0.1	0.1	ND	Pass	Spiroxamine	0.03	0.1	0.03	ND	Pass
Fenoxycarb	0.03	0.1	0.03	ND	Pass	Tebuconazole	0.03	0.1	0.1	ND	Pass
Fenpyroximate	0.03	0.1	0.1	ND	Pass	Thiacloprid	0.03	0.1	0.03	ND	Pass
Fipronil	0.03	0.1	0.03	ND	Pass	Thiamethoxam	0.03	0.1	5	ND	Pass
Flonicamid	0.03	0.1	0.1	ND	Pass	Trifloxystrobin	0.03	0.1	0.1	ND	Pass

Date Tested: 12/18/2020

We analyze samples by AOAC Official Method 2007.01-Modified; ND = Not Detected; NR = Not Reported; LOD = Limit of Detection; The reported result is based on a sample weight with the applicable moisture content for that sample; Unless otherwise stated all quality control samples performed within specifications established by the Laboratory. HL105.10-01. Tested by LC/MS/MS and GC/MS/MS, HL201.2





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## Dr. Who

Metrc Sample: 1A40603000099ED000010876; Metrc Batch: 1A4060300001F41000000531

 Sample ID: HR20201290732
 Produced: 12/15/2020
 Distributor
 Producer

 Strain: Dr. Who
 Collected: 12/17/2020
 Purple Star MD
 Purple Star MD

 Matrix: Concentrates & Extracts
 Received: 12/17/2020
 Lic. # C11-0000006-LIC
 Lic. # CDPH-10002056

Type: Shatter Completed: 12/23/2020 2525 Phelps St 2525 Phelps St, San Francisco, CA 94124

Sample Size: 13 units; Batch: 1,711 units Batch#: CO-20114 San Francisco, CA 94124

Residual Solvents Pass

Analyte	LOD	LOQ	Limit	Results	Status
	µg/g	μg/g	µg/g	μg/g	
1,2-Dichloro-Ethane	1	1	1	ND	Pass
Acetone	1	10	5000	<loq< td=""><td>Pass</td></loq<>	Pass
Acetonitrile	1	5	410	ND	Pass
Benzene	1	1	1	ND	Pass
Butane	1	25	5000	153.8	Pass
Chloroform	1	1	1	ND	Pass
Ethanol	1	10	5000	ND	Pass
Ethyl-Acetate	1	10	5000	ND	Pass
Ethyl-Ether	1	10	5000	ND	Pass
Ethylene Oxide	1	1	1	ND	Pass
Heptane	1	10	5000	<loq< td=""><td>Pass</td></loq<>	Pass
Isopropanol	1	10	5000	ND	Pass
Methanol	1	10	3000	ND	Pass
Methylene-Chloride	1	1	1	ND	Pass
n-Hexane	1	10	290	ND	Pass
Pentane	1	10	5000	ND	Pass
Propane	1	10	5000	ND	Pass
Toluene	1	10	890	ND	Pass
Trichloroethene	1	1	1	ND	Pass
Xylenes	1	10	2170	<loq< td=""><td>Pass</td></loq<>	Pass

ISO 17025 Accredited Laboratory

Date Tested: 12/18/2020

ND = Not Detected; SOP HL231. Headspace GC-FID





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#### Dr. Who

Metrc Sample: 1A40603000099ED000010876; Metrc Batch: 1A4060300001F41000000531

Sample ID: HR20201290732 Produced: 12/15/2020 Distributor Producer Strain: Dr. Who Collected: 12/17/2020 Purple Star MD Purple Star MD Lic. # C11-0000006-LIC Lic. # CDPH-10002056 Matrix: Concentrates & Extracts Received: 12/17/2020

Type: Shatter Completed: 12/23/2020 2525 Phelps St 2525 Phelps St, San Francisco, CA 94124

Sample Size: 13 units; Batch: 1,711 units Batch#: CO-20114 San Francisco, CA 94124

Analyte	Results	Status
Aerobic Plate Count	NR	NT
Aspergillus flavus	Not Detected in 1g	Pass
Aspergillus fumigatus	Not Detected in 1g	Pass
Aspergillus niger	Not Detected in 1g	Pass
Aspergillus terreus	Not Detected in 1g	Pass
Shiga Toxin-producing E. coli	Not Detected in 1g	Pass
Salmonella SPP	Not Detected in 1g	Pass
Yeast & Mold	NR	NT

Date Tested: 12/18/2020

Date Tested: 12/18/2020

NR = Not Reported; Aerobic Bacteria refers to Aerobic Plate Count, we analyze by method FDA BAM Jan 2001, Chapter 3. E.coli refers to E.coli Plate Count, we analyze by method FDA BAM Jan 2001, Chapter 4. Coliforms refers to Coliform Plate Count, we analyze by method FDA BAM Jan 2001, Chapter 4. Salmonella analysis method by Compact Dry SL, Hardy Diagnostics. Visual Mold inspection by UV light. 1= Mold Present, 0=Mold Not Present. Yeast and Mold Plate count method by AOAC no. 100401 or FDA BAM Jan 2001, Chapter 18. HL105.10-01. Salmonella and STEC: SOP HL 316. Aspergillus sp.: SOP HL311.2 (modified) & SOP HL 317.

Mycotoxins	Pass

Analyte	LOD	LOQ	Limit	Results	Status
	μg/kg	µg/kg	μg/kg	μg/kg	
Aflatoxin B1	0.4	1		ND	Tested
Aflatoxin B2	0.4	1		ND	Tested
Aflatoxin G1	0.4	1		ND	Tested
Aflatoxin G2	0.4	1		ND	Tested
Total Aflatoxins			20	ND	Pass
Ochratoxin A	0.4	1	20	ND	Pass

Date Tested: 12/21/2020

SOP HL 240

Total Aflatoxins = Aflatoxin B1 + Aflatoxin B2 + Aflatoxin G1 + Aflatoxin G2. Each aflatoxin is tested individually. HL241. Tested by HPLC-FID, HL241

#### **Heavy Metals Pass**

Analyte	LOD	LOQ	Limit	Results	Status
	µg/g	µg/g	µg/g	μg/g	
Arsenic	0.07	0.20	0.2	ND	Pass
Cadmium	0.07	0.20	0.2	ND	Pass
Lead	0.17	0.50	0.5	ND	Pass
Mercury	0.03	0.10	0.1	ND	Pass

Date Tested: 12/18/2020

SOP HL 237. Tested by Atomic Fluorescence Spectrometry, HL237





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