



## CERTIFICATE OF ANALYSIS

### **Softgels - FULL SPECTRUM HEMP EXTRACT – 20MG CBD**

Bottle Lot Number: 13083-54879  
Batch Number: E21910374  
Manufacture Date: July 2022  
Best By Date: July 2025  
Strength: 20mg CBD per softgel / 600mg CBD per 30ct bottle/ 1,200mg CBD per 60ct bottle/ 1,800mg CBD per 90ct bottle

<b><u>Cannabinoid:</u></b>	<b><u>mg/g (oil potency)</u></b>	<b><u>mg/softgel (softgel potency)</u></b>	<b><u>% by weight</u></b>
CBD	42.90	21.45	4.29
CBDV	0.28	0.14	0.03
CBDa	1.96	0.98	0.20
CBG	0.80	0.40	0.08
CBGa	<LOQ	<LOQ	<LOQ
CBC	1.99	1.00	0.20
CBN	<0.25	<LOQ	<LOQ
Δ <sup>9</sup> -THC	1.33	0.67	0.13
THCa	<LOQ	<LOQ	<LOQ
<b>Total THC</b>	<b>1.33</b>	<b>0.67</b>	<b>0.13</b>
<b>Total CBD</b>	<b>44.60</b>	<b>22.30</b>	<b>4.46</b>
<b>Total Cannabinoids</b>	<b>49.30</b>	<b>24.65</b>	<b>4.93</b>

*\*This product contains less than 0.3% THC per hemp regulations*

Sunsoil tests each batch of oil at three third-party ISO accredited laboratories to ensure product quality and potency. The information provided above is derived from said third-party lab results and shall be considered effective only for the lot with which the information is being provided. In addition to Cannabinoid profile Sunsoil regularly tests for terpenes, residual solvents, pesticides, heavy metals, and microbials to ensure pureness and quality of raw material inputs – representative results can be found on our website. ND indicates "None Detected". <LOQ indicates "Below Limit of Quantification".



SUNSOIL®

## CERTIFICATE OF ANALYSIS

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Bottle Lot Number: 13083-54879  
Batch Number: E21910374  
Manufacture Date: July 2022  
Best By Date: July 2025  
Strength: 20mg CBD per softgel /300mg CBD per 15ct bottle/ 600mg CBD per 30ct bottle/1,800mg CBD per 90ct bottle

<b>Heavy Metals</b>	<b>Pass/Fail</b>	<b>Specification</b>
Arsenic	Pass	USP <2232>
Cadmium	Pass	USP <2232>
Lead	Pass	USP <2232>
Mercury	Pass	USP <2232>

<b>Microbiological Testing</b>	<b>Pass/Fail</b>	<b>Specification</b>
Aerobic Plate Count	Pass	USP <2023>
Yeast and Mold	Pass	USP <2023>
E.coli	Pass	Not Detected
Salmonella	Pass	Not Detected

<b>Glyphosate Testing</b>	<b>Pass/Fail</b>	<b>Specification</b>
Glyphosate Testing	Pass	<10 PPB

Sunsoil tests each batch of oil at three third-party ISO accredited laboratories to ensure product quality and potency. The information provided above is derived from said third-party lab results and shall be considered effective only for the lot with which the information is being provided. In addition to Cannabinoid profile, heavy metals and microbial contaminants, Sunsoil regularly tests for terpenes, residual solvents, and pesticides to ensure pureness and quality of raw material inputs – representative results can be found on our website. ND indicates "None Detected". <LOQ indicates "Below Limit of Quantification".

• MADE IN VERMONT •

## Certificate of Analysis

### Sunsoil

180 Battery Street; Suite 250  
Burlington Vermont 05401

<b>Sample Name:</b>	<b>HW060422A</b>	<b>Eurofins Sample:</b>	<b>11645268</b>
<b>Project ID</b>	SUNSOIL-20220412-0012	<b>Receipt Date</b>	14-Apr-2022
<b>PO Number</b>		<b>Receipt Condition</b>	Ambient temperature
<b>Sample Serving Size</b>	1 g	<b>Login Date</b>	12-Apr-2022
		<b>Date Started</b>	14-Apr-2022
		<b>Sampled</b>	Sample results apply as received
		<b>Online Order</b>	15701-17184C78

#### Analysis

#### Result

#### Industrial Hemp Cannabinoid Profile

CBDVA	None detected at detection limit of 0.0042 %
CBDVA	None detected at detection limit of 0.0042 %
CBDV	0.283 mg/g
CBDV	0.0283 %
CBDA	0.196 %
CBDA	1.96 mg/g
CBGA	None detected at detection limit of 0.0042 %
CBGA	None detected at detection limit of 0.0042 %
CBG	0.801 mg/g
CBG	0.0801 %
CBD	42.9 mg/g
CBD	4.29 %
THCV	None detected at detection limit of 0.0083 %
THCV	None detected at detection limit of 0.0083 %
CBN	<0.0250 %
CBN	<0.250 mg/g
Delta 9-THC	1.33 mg/g
Delta 9-THC	0.133 %
Delta 8-THC	None detected at detection limit of 0.0167 %
Delta 8-THC	None detected at detection limit of 0.0167 %
THCA	None detected at detection limit of 0.0167 %
THCA	None detected at detection limit of 0.0167 %
CBC	1.99 mg/g

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		<b>Online Order</b>	15701-17184C78

#### Analysis

#### Result

#### Industrial Hemp Cannabinoid Profile

CBC	0.199 %
THCVA	None detected at detection limit of 0.0042 %
THCVA	None detected at detection limit of 0.0042 %
CBNA	None detected at detection limit of 0.0042 %
CBNA	None detected at detection limit of 0.0042 %
CBCA	<0.250 mg/g
CBCA	<0.0250 %
CBL	<0.250 mg/g
CBL	<0.0250 %
Total Cannabinoids	49.3 mg/g
Total Cannabinoids	4.93 %
Total THC (THC + (THCA x 0.877))	0.133 %
Total THC (THC + (THCA x 0.877))	1.33 mg/g
Total CBD (CBD + (CBDA x 0.877))	4.46 %
Total CBD (CBD + (CBDA x 0.877))	44.6 mg/g

#### Method References

#### Testing Location

#### Industrial Hemp Cannabinoid Profile (IHCBD\_S)

**Food Integrity Innovation-Madison**  
6304 Ronald Reagan Ave Madison, WI 53704 USA

Official Methods of Analysis, AOAC 2018.11, AOAC International, Gaithersburg, MD (Modified).

## Certificate of Analysis

### Sunsoil

180 Battery Street; Suite 250  
Burlington Vermont 05401

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**Testing Location(s)****Released on Behalf of Eurofins by****Food Integrity Innovation-Madison**

Eurofins Food Chemistry Testing Madison, Inc.  
6304 Ronald Reagan Ave  
Madison WI 53704  
800-675-8375

Edward Ladwig - President Eurofins Food  
Chemistry Testing Madison



2918.01

These results apply only to the items tested. This certificate of analysis shall not be reproduced, except in its entirety, without the written approval of Eurofins. Measurement uncertainty for individual analyses can be obtained upon request.

## Certificate of Analysis

### Sunsoil

180 Battery Street; Suite 250  
Burlington Vermont 05401

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Analysis	Result
<b>E.coli and Coliforms (Petrifilm)</b>	
Total coliforms	<10 CFU/g
Escherichia Coli	<10 CFU/g

Method References	Testing Location
<b>E.coli and Coliforms (Petrifilm) (ECCOLIPET)</b>	<b>EML New Berlin</b>
AOAC 991.14	2345 S 170th St New Berlin, WI 53151 USA

Testing Location(s)	Released on Behalf of Eurofins by
<b>Food Integrity Innovation-Madison</b>	<b>Edward Ladwig - President Eurofins Food Chemistr</b>
Eurofins Food Chemistry Testing Madison, Inc. 6304 Ronald Reagan Ave Madison WI 53704 800-675-8375	

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April 27, 2022

**SUNSOIL**

Jacob Goldstein  
180 Battery Street  
Burlington, VT 05401

Order No. 533380  
Sample No. 1122714

### SAMPLE INFORMATION

Description HW060422A  
Category Non-Inhalable Concentrate  
Received April 14, 2022

### ANALYTICAL RESULTS

Analysis Glyphosate  
Instrument LC-MS/MS  
Method MF2P033  
Analysis Date April 14, 2022 to April 27, 2022

Analyte	LOD / LOQ (ppb)	Findings (ppb)
Glyphosate	2/5	None Detected
AMPA	2/5	None Detected

Reported by  
**Anresco, Inc.**

ND = None Detected

  


Cathy Cheng  
Senior Analyst

April 27, 2022

If there are any questions with this report, please contact "[compliance@anresco.com](mailto:compliance@anresco.com)".

## Certificate of Analysis

### Sunsoil

180 Battery Street; Suite 250  
Burlington Vermont 05401

<b>Sample Name:</b>	<b>HW060422A</b>	<b>Eurofins Sample:</b>	<b>11645268</b>
<b>Project ID</b>	SUNSOIL-20220412-0012	<b>Receipt Date</b>	14-Apr-2022
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		<b>Sampled</b>	Sample results apply as received
		<b>Online Order</b>	15701-17184C78

#### Analysis

#### Result

##### Elements by ICP Mass Spectrometry

Arsenic	<10.0 ppb
Cadmium	<5.00 ppb
Lead	5.74 ppb
Mercury	<5.00 ppb

#### Method References

#### Testing Location

##### Elements by ICP Mass Spectrometry (ICP\_MS\_S)

**Food Integrity Innovation-Madison**  
6304 Ronald Reagan Ave Madison, WI 53704 USA

Official Methods of Analysis, Method 2011.19 and 993.14, AOAC INTERNATIONAL, (Modified).  
Paquette, L.H., Szabo, A., Thompson, J.J., "Simultaneous Determination of Chromium, Selenium, and Molybdenum in Nutritional Products by Inductively Coupled Plasma/Mass Spectrometry: Single-Laboratory Validation," Journal of AOAC International, 94(4): 1240 - 1252 (2011).

#### Testing Location(s)

#### Released on Behalf of Eurofins by

##### Food Integrity Innovation-Madison

**Edward Ladwig - President Eurofins Food  
Chemistry Testing Madison**

Eurofins Food Chemistry Testing Madison, Inc.  
6304 Ronald Reagan Ave  
Madison WI 53704  
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## Certificate of Analysis

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Burlington Vermont 05401

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Analysis	Limit	Result	Pass/Fail
<b>Mycotoxins in Raw Materials</b>			
Aflatoxin B1		<0.500 ppb	
Aflatoxin B2		<0.500 ppb	
Aflatoxin G1		<0.500 ppb	
Aflatoxin G2		<0.500 ppb	
Ochratoxin A	20 ppb	<1.00 ppb	Pass
Sum of B1 B2 G1 and G2	20 ppb	<2.00 ppb	Pass

Method References	Testing Location
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**Mycotoxins in Raw Materials (MYCO\_REG\_S)**

**Food Integrity Innovation-Madison**  
6304 Ronald Reagan Ave Madison, WI 53704 USA

Varga, E., Glauner, T., Koppen, R., Mayer, K., Sulyok, M., Schumacher, R., Krska, R. and Berthiller, F., "Stable isotope dilution assay for the accurate determination of mycotoxins in maize by UHPLC-MS/MS," Analytical and BioAnalytical Chemistry, 402:2675-2686 (2012).

Testing Location(s)	Released on Behalf of Eurofins by
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**Food Integrity Innovation-Madison**

**Edward Ladwig - President Eurofins Food Chemistry Testing Madison**

Eurofins Food Chemistry Testing Madison, Inc.  
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Analysis	Limit	Result
<b>Multi-Residue Analysis for hemp products - 60+ compounds</b>		
Abamectin		<0.30 mg/kg
Aldicarb		<0.10 mg/kg
Aldicarb sulfone (Aldoxycarb)		<0.10 mg/kg
Aldicarb sulfoxide		<0.10 mg/kg
Azoxystrobin		<0.10 mg/kg
Bifenazate		<0.10 mg/kg
Bifenthrin		<0.10 mg/kg
Carbaryl		<0.10 mg/kg
Carbofuran		<0.10 mg/kg
Carbofuran-3-hydroxy-		<0.10 mg/kg
Chlorantraniliprole		<0.10 mg/kg
Chlordane, cis-		<0.10 mg/kg
Chlordane, trans-		<0.10 mg/kg
Chlorfenapyr		<0.10 mg/kg
Chlorpyrifos		<0.10 mg/kg
Coumaphos		<0.10 mg/kg
Cyfluthrin		<0.10 mg/kg
Cypermethrin		<0.10 mg/kg
Cyproconazole (2 diastereoisomers)		<0.10 mg/kg
Cyprodinil		<0.10 mg/kg
Dichlorvos		<0.10 mg/kg
Diclobutrazol		<0.10 mg/kg
Dipropetryn		<0.10 mg/kg
Disulfoton		<0.10 mg/kg
Endosulfan I (alpha-isomer)		<0.20 mg/kg
Endosulfan II (beta-isomer)		<0.20 mg/kg
Endosulfan sulfate		<0.20 mg/kg
Epoxiconazole		<0.10 mg/kg
Ethiofencarb		<0.10 mg/kg
Etofenprox		<0.10 mg/kg

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Analysis	Limit	Result
<b>Multi-Residue Analysis for hemp products - 60+ compounds</b>		
Etoxazole		<0.10 mg/kg
Fenoxycarb		<0.10 mg/kg
Fenpropathrin		<0.10 mg/kg
Fenvalerate/Esfenvalerate (sum of isomers)		<0.20 mg/kg
Fipronil		<0.10 mg/kg
Fipronil desulfinyl		<0.10 mg/kg
Fipronil sulfone		<0.10 mg/kg
Imazalil		<0.10 mg/kg
Imidacloprid		<0.10 mg/kg
Malathion		<0.10 mg/kg
Methiocarb		<0.10 mg/kg
Methiocarb sulfone		<0.10 mg/kg
Methiocarb sulfoxide		<0.10 mg/kg
Methomyl		<0.10 mg/kg
Mevinphos (E- and Z-isomers)		<0.10 mg/kg
Myclobutanil		<0.10 mg/kg
Naled (Dibrom)		<0.10 mg/kg
Paclobutrazol		<0.10 mg/kg
Permethrin (sum of isomers)		<0.10 mg/kg
Propoxur		<0.10 mg/kg
Spinetoram (spinosyns J and L)		<0.10 mg/kg
Spinosad (spinosyns A and D)		<0.10 mg/kg
Spirodiclofen		<0.10 mg/kg
Spiromesifen		<0.10 mg/kg
Spirotetramat		<0.10 mg/kg
Spiroxamine (2 diastereoisomers)		<0.10 mg/kg
Tebuconazole		<0.10 mg/kg
Thiabendazole		<0.10 mg/kg
Thiabendazole-5-hydroxy-		<0.10 mg/kg
Thiacloprid		<0.10 mg/kg

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Burlington Vermont 05401

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Analysis	Limit	Result
<b>Multi-Residue Analysis for hemp products - 60+ compounds</b>		
Trifloxystrobin		<0.10 mg/kg
Metolachlor		<0.10 mg/kg
Pyrethrum (total)		<1.0 mg/kg

#### Method References

#### Testing Location

#### Multi-Residue Analysis for hemp products - 60+ compounds (PEST\_HEMP)

#### Food Integrity Innovation-Madison

6304 Ronald Reagan Ave Madison, WI 53704 USA

*Official Methods of Analysis, AOAC Official Method 2007.01*, Pesticide Residues in Foods by Acetonitrile Extraction and Partitioning with Magnesium Sulfate, AOAC INTERNATIONAL (modified).

*CEN Standard Method EN 15662*: Food of plant origin - Determination of pesticide residues using GC-MS and/or LC-MS/MS following acetonitrile extraction/partitioning and clean-up by dispersive SPE - QuEChERS method.

List of the tested pesticides and their limits of quantification (LOQs) are available upon request.

#### Testing Location(s)

#### Released on Behalf of Eurofins by

#### Food Integrity Innovation-Madison

Eurofins Food Chemistry Testing Madison, Inc.  
6304 Ronald Reagan Ave  
Madison WI 53704  
800-675-8375

#### Edward Ladwig - President Eurofins Food Chemistry Testing Madison



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April 18, 2022

**SUNSOIL**

Jacob Goldstein  
180 Battery Street  
Burlington, VT 05401

Order No. 533379  
Sample No. 1122709

**SAMPLE INFORMATION**

Description HW060422A  
Category Non-Inhalable Concentrate  
Received April 14, 2022

**ANALYTICAL RESULTS**

Analysis Residual Solvent Screen ✔ Pass  
Instrument Gas Chromatography Mass Spectrometry (GC/MS)  
Method USP OVI<467>  
Analysis Date April 14, 2022 to April 18, 2022

Analyte	LOD/LOQ (ppm)	Findings (ppm)	Limit (ppm)	Status
1,2-Dichloroethane	0.2/0.5	ND	1	Pass
Acetone	67/200	ND	5000	Pass
Acetonitrile	67/200	ND	410	Pass
Benzene	0.2/0.5	ND	1	Pass
n-Butane	67/200	ND	5000	Pass
Chloroform	0.2/0.5	ND	1	Pass
Ethanol	67/200	ND	5000	Pass
Ethyl acetate	67/200	ND	5000	Pass
Ethyl ether	67/200	ND	5000	Pass
Ethylene oxide	0.2/0.5	ND	1	Pass
n-Heptane	67/200	ND	5000	Pass
n-Hexane	67/200	ND	290	Pass
Isopropyl alcohol	67/200	ND	5000	Pass
Methanol	67/200	ND	3000	Pass
Methylene chloride	0.2/0.5	ND	1	Pass
n-Pentane	67/200	ND	5000	Pass
Propane	67/200	ND	5000	Pass
Toluene	67/200	ND	890	Pass
Total xylenes (ortho-, meta-, para-)	67/200	ND	2170	Pass
Trichloroethylene	0.2/0.5	ND	1	Pass

Reported by  
**Anresco, Inc.**

ND = None Detected




Jordean Vargas  
Analyst

April 18, 2022

If there are any questions with this report, please contact "[compliance@anresco.com](mailto:compliance@anresco.com)".

## Certificate of Analysis

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		<b>Online Order</b>	15701-17184C78

#### Analysis

#### Result

##### Salmonella BAM

Salmonella

Negative /25 g

#### Method References

#### Testing Location

##### Salmonella BAM (SALA)

##### EML New Berlin

2345 S 170th St New Berlin, WI 53151 USA

Bacteriological Analytical Manual, Chapter 5, 8th Edition, 2006. Food and Drug Administration, AOAC International:  
Gaithersburg, Maryland. Modified.

#### Testing Location(s)

#### Released on Behalf of Eurofins by

##### Food Integrity Innovation-Madison

##### Edward Ladwig - President Eurofins Food Chemistr

Eurofins Food Chemistry Testing Madison, Inc.  
6304 Ronald Reagan Ave  
Madison WI 53704  
800-675-8375

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April 19, 2022

**SUNSOIL**

Jacob Goldstein  
180 Battery Street  
Burlington, VT 05401

Order No. 533379  
Sample No. 1122709

**SAMPLE INFORMATION**

Description HW060422A  
Category Non-Inhalable Concentrate  
Received April 14, 2022

**ANALYTICAL RESULTS**

Analysis Terpene Profile  
Instrument Gas Chromatography Mass Spectrometry (GC/MS)  
Method American Herbal Pharmacopoeia  
Analysis Date April 14, 2022 to April 19, 2022

Terpene	mg/g	%
α-Pinene	0.014	0.0014
Isopulegol	ND	ND
Camphene	ND	ND
Menthol	ND	ND
β-Myrcene	0.019	0.0019
(-)-Borneol	ND	ND
β-Pinene	ND	ND
Terpineol	0.016	0.0016
δ -3-Carene	ND	ND
Citronellol	ND	ND
Limonene	ND	ND
Geraniol	ND	ND
α-Terpinene	ND	ND
β-Caryophyllene	0.274	0.0274
trans-beta-Ocimene	ND	ND
α-Humulene	0.080	0.0080
cis-beta-Ocimene	ND	ND
cis-Nerolidol	ND	ND
p-Cymene	ND	ND
trans-Nerolidol	0.061	0.0061
Eucalyptol	ND	ND
Guaiol	0.047	0.0047
γ-Terpinene	ND	ND
Caryophyllene Oxide	0.092	0.0092
Terpinolene	ND	ND
α-Bisabolol	0.256	0.0256
Linalool	0.027	0.0027
Eudesmol	0.057	0.0057
<b>Total Terpenes</b>	<b>0.943</b>	<b>0.0943</b>

Reported by  
**Anresco, Inc.**



Jordean Vargas  
Analyst

April 19, 2022

Limit of Detection: 0.0004 %  
Limit of Quantitation: 0.0013 %  
ND = None Detected  
<LOQ = Below Limit of Quantitation  
<LOD = Below Limit of Detection

If there are any questions with this report, please contact "[compliance@anresco.com](mailto:compliance@anresco.com)".

April 18, 2022

**SUNSOIL**

Jacob Goldstein  
180 Battery Street  
Burlington, VT 05401

Order No. 533379  
Sample No. 1122709

## SAMPLE INFORMATION

Description HW060422A  
Category Non-Inhalable Concentrate  
Received April 14, 2022

## ANALYTICAL RESULTS

Analysis Water Activity  
Instrument Decagon  
Method MF 14G051  
Analysis Date April 14, 2022 to April 18, 2022

Analyte	Findings	Limit	Status
Water Activity	0.41	0.85	Pass

Reported by  
**Anresco, Inc.**

ND = None Detected

  


Eric Tam  
Senior Chemist

April 18, 2022

If there are any questions with this report, please contact "[compliance@anresco.com](mailto:compliance@anresco.com)".



## Certificate of Analysis

### Sunsoil

180 Battery Street; Suite 250  
Burlington Vermont 05401

<b>Sample Name:</b>	<b>HW060422A</b>	<b>Eurofins Sample:</b>	<b>11645268</b>
<b>Project ID</b>	SUNSOIL-20220412-0012	<b>Receipt Date</b>	14-Apr-2022
<b>PO Number</b>		<b>Receipt Condition</b>	Ambient temperature
<b>Sample Serving Size</b>	1 g	<b>Login Date</b>	12-Apr-2022
		<b>Date Started</b>	14-Apr-2022
		<b>Sampled</b>	Sample results apply as received
		<b>Online Order</b>	15701-17184C78

Analysis	Result
<b>Yeast and Mold Plate Count</b>	
Yeast Plate Count	<10 CFU/g
Mold Plate Count	<10 CFU/g

Method References	Testing Location
<b>Yeast and Mold Plate Count (YM_SPRD)</b>	<b>EML New Berlin</b>
FDA BAM Chapter 18 (modified)	2345 S 170th St New Berlin, WI 53151 USA

Testing Location(s)	Released on Behalf of Eurofins by
<b>Food Integrity Innovation-Madison</b>	<b>Edward Ladwig - President Eurofins Food Chemistr</b>
Eurofins Food Chemistry Testing Madison, Inc. 6304 Ronald Reagan Ave Madison WI 53704 800-675-8375	

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