

# CERTIFICATE OF ANALYSIS

## ISO/IEC 17025:2017 ACCREDITATION #103104



Order #: 48047  
 Order Name: 3000mg  
 Mandarin Orange Oil  
 Batch#: 012001-32  
 Received: 02/04/2020  
 Completed: 02/11/2020



Crystal Creek Organics  
 652 Capital Circle NE Suite A  
 Tallahassee FL, 32301  
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### Sample



N/D  
 D9-THC

11.297%  
 Total CBD

3,207.1 mg  
 Cannabinoids per  
 bottle

3,202.6 mg  
 CBD per  
 bottle

1 bottle = 30 ml per bottle x density (0.945)  
 x Cannabinoid concentration

### Cannabinoids Test

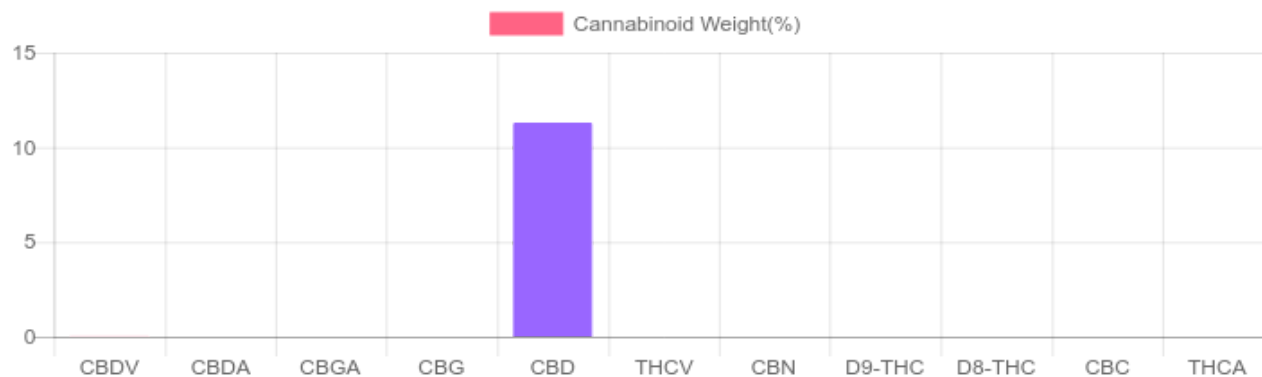
SHIMADZU INTEGRATED UPLC-PDA

GSL SOP 400

PREPARED: 02/04/2020 15:53:44

UPLOADED: 02/05/2020 15:19:28

| Cannabinoids       | LOQ    | weight(%) | mg/g    | mg/bottle |
|--------------------|--------|-----------|---------|-----------|
| D9-THC             | 10 PPM | N/D       | N/D     | N/D       |
| THCA               | 10 PPM | N/D       | N/D     | N/D       |
| CBD                | 10 PPM | 11.297%   | 112.968 | 3,202.6   |
| CBDA               | 20 PPM | N/D       | N/D     | N/D       |
| CBDV               | 20 PPM | 0.016%    | 0.159   | 4.5       |
| CBC                | 10 PPM | N/D       | N/D     | N/D       |
| CBN                | 10 PPM | N/D       | N/D     | N/D       |
| CBG                | 10 PPM | N/D       | N/D     | N/D       |
| CBGA               | 20 PPM | N/D       | N/D     | N/D       |
| D8-THC             | 10 PPM | N/D       | N/D     | N/D       |
| THCV               | 10 PPM | N/D       | N/D     | N/D       |
| TOTAL D9-THC       |        | N/D       | N/D     | N/D       |
| TOTAL CBD*         |        | 11.297%   | 112.968 | 3,202.6   |
| TOTAL CANNABINOIDS |        | 11.313%   | 113.127 | 3,207.1   |



Reporting Limit 10 ppm

\*Total CBD = CBD + CBDA x 0.877

N/D - Not Detected, B/LOQ - Below Limit of Quantification

Dr. Andrew Hall, Ph.D., Chief Scientific Officer

Ben Witten, MS, MT., Lab Director

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 1-833 TEST CBD



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