



ARL

Analytical Resource Laboratory

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Certificate of Analysis

Client Information

Christopher's Organic Botanicals
PO Box 281
Deepwater, NJ
08023 USA

Sample Information

ARL ID: 360069
Date Received: 8/3/2020
Description: 9 oz Green Malay
Lot#: 15230

| Analysis | Method | MDL | Specification | Results | UOM | Lab ID |
|--------------------------------|----------------|--------|---------------|---------|-----------|--------|
| Kratom 4AL Profile | | | | | | 1 |
| Complete Micro Profile | USP, AOAC | | | | | 1 |
| Total Plate Count (High Count) | USP <2021> | 100 | Record Only | 240000 | cfu's/g | 1 |
| Coliforms | AOAC 991.14 | 100 | Record Only | 8000 | cfu's/g | 1 |
| E. coli | USP <2022> | Absent | Record Only | Absent | cfu's/10g | 1 |
| E. coli 0157:H7 | AOAC 991.14 | 10 | Absent | Absent | cfu's/g | 1 |
| Staphylococcus aureus | USP <2022> | Absent | Record Only | Absent | cfu's/10g | 1 |
| Salmonella | USP <2022> | Absent | Record Only | Absent | cfu's/10g | 1 |
| Yeast (High Count) | USP <2021> | 100 | Record Only | 1,200 | cfu's/g | 1 |
| Mold (High Count) | USP <2021> | 100 | Record Only | 13,000 | cfu's/g | 1 |
| Listeria Species | AOAC RI | Absent | Record Only | Absent | cfu's/25g | 1 |
| Heavy Metals | ARL ICPMS 2.60 | | | | | 1 |
| Arsenic (As) | ARL ICPMS 2.60 | 0.001 | Record Only | 0.053 | ppm | 1 |
| Cadmium (Cd) | ARL ICPMS 2.60 | 0.001 | Record Only | < 0.001 | ppm | 1 |
| Mercury (Hg) | ARL ICPMS 2.60 | 0.001 | Record Only | 0.018 | ppm | 1 |
| Lead (Pb) | ARL ICPMS 2.60 | 0.001 | Record Only | 0.288 | ppm | 1 |
| Kratom Alkaloids | HPLC 2.046 | | | | | 1 |
| Mitragynine | HPLC 2.046 | 0.1 | Record Only | 1.3 | % | 1 |
| 7-Hydroxy-Mitragynine | HPLC | 0.04 | Record Only | <0.04 | % | 1 |
| Speciogynine | HPLC 2.046 | 0.1 | Record Only | 0.2 | % | 1 |
| Paynantheine | HPLC 2.046 | 0.1 | Record Only | 0.3 | % | 1 |

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* ARL is an ISO/IEC 17025:2005 Accredited Laboratory. Certificate and Supplement available upon request.

This Certificate of Analysis represents data only for the sample provided and does not constitute a guarantee of quality for the entire production lot.