



# 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: 360066  
Date Received: 8/3/2020  
Description: 9 oz Red Borneo  
Lot#: 150005

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	320000	cfu's/g	1
Coliforms	AOAC 991.14	100	Record Only	40000	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	1,700	cfu's/g	1
Mold (High Count)	USP <2021>	100	Record Only	15,000	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	0.101	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	0.019	ppm	1
Lead (Pb)	ARL ICPMS 2.60	0.001	Record Only	0.570	ppm	1
Kratom Alkaloids	HPLC 2.046					1
Mitragynine	HPLC 2.046	0.1	Record Only	0.7	%	1
7-Hydroxy-Mitragynine	HPLC	0.04	Record Only	<0.04	%	1
Speciogynine	HPLC 2.046	0.1	Record Only	0.1	%	1
Paynantheine	HPLC 2.046	0.1	Record Only	0.1	%	1

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