

Certificate of Analysis

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Client: Premium Organics Limited	Lab No: 3307278	SSP-8v1
Contact: Dave Wylie	Date Received: 22-Jun-2023	
C/- Premium Organics Limited	Date Reported: 26-Jun-2023	
17 Riddell Road	Quote No:	
Kerikeri 0230	Order No:	
	Client Reference:	
	Submitted By: Dave Wylie	

Sample Type: Plant Derived Food Additives and Supplements

Sample Name:	ALCHEMY	
Lab Number:	3307278.8	
Antimony	mg/kg as rcvd	< 0.10
Arsenic	mg/kg as rcvd	< 0.10
Bismuth	mg/kg as rcvd	< 0.010
Cadmium	mg/kg as rcvd	0.044
Copper	mg/kg as rcvd	1.56
Lead	mg/kg as rcvd	0.071
Mercury	mg/kg as rcvd	< 0.010
Silver	mg/kg as rcvd	< 0.010
Tin	mg/kg as rcvd	< 0.10
Total Heavy Metals	mg/kg as rcvd	1.8

Summary of Methods

The following table(s) gives a brief description of the methods used to conduct the analyses for this job. The detection limits given below are those attainable in a relatively simple matrix. Detection limits may be higher for individual samples should insufficient sample be available, or if the matrix requires that dilutions be performed during analysis. A detection limit range indicates the lowest and highest detection limits in the associated suite of analytes. A full listing of compounds and detection limits are available from the laboratory upon request. Unless otherwise indicated, analyses were performed at Hill Labs, 28 Duke Street, Frankton, Hamilton 3204.

Sample Type: Plant Derived Food Additives and Supplements

Test	Method Description	Default Detection Limit	Sample No
Biological Materials Digestion	Nitric and hydrochloric acid micro digestion, filtration.	-	8
Antimony	Biological materials digestion. Analysis by ICP-MS.	0.10 mg/kg as rcvd	8
Arsenic	Biological materials digestion. Analysis by ICP-MS.	0.10 mg/kg as rcvd	8
Bismuth	Biological materials digestion. Analysis by ICP-MS.	0.010 mg/kg as rcvd	8
Cadmium	Biological materials digestion. Analysis by ICP-MS.	0.004 mg/kg as rcvd	8
Copper	Biological materials digestion. Analysis by ICP-MS.	0.05 mg/kg as rcvd	8
Lead	Biological materials digestion. Analysis by ICP-MS.	0.010 mg/kg as rcvd	8
Mercury	Biological materials digestion. Analysis by ICP-MS.	0.010 mg/kg as rcvd	8
Silver	Biological materials digestion. Analysis by ICP-MS.	0.010 mg/kg as rcvd	8
Tin	Biological materials digestion. Analysis by ICP-MS.	0.10 mg/kg as rcvd	8
Total Heavy Metals	Calculation: sum of individual metals (antimony, arsenic, bismuth, cadmium, copper, lead, mercury, silver, tin). Heavy Metals Test (as lead sulfide), Food Chemicals Codex 4 th Edition, 1996 (modified - ICP-MS analysis).	1.0 mg/kg as rcvd	8