

## Certificate of Analysis

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<b>Client:</b> Premium Organics Limited	<b>Lab No:</b> 3307278	SSP-7v1
<b>Contact:</b> Dave Wylie	<b>Date Received:</b> 22-Jun-2023	
C/- Premium Organics Limited	<b>Date Reported:</b> 26-Jun-2023	
17 Riddell Road	<b>Quote No:</b>	
Kerikeri 0230	<b>Order No:</b>	
	<b>Client Reference:</b>	
	<b>Submitted By:</b> Dave Wylie	

### Sample Type: Plant Derived Food Additives and Supplements

<b>Sample Name:</b>	CORDYCEPS	
<b>Lab Number:</b>	3307278.7	
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	0.039
Copper	mg/kg as rcvd	0.52
Lead	mg/kg as rcvd	< 0.010
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	< 1.0

## 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.	-	7
Antimony	Biological materials digestion. Analysis by ICP-MS.	0.10 mg/kg as rcvd	7
Arsenic	Biological materials digestion. Analysis by ICP-MS.	0.10 mg/kg as rcvd	7
Bismuth	Biological materials digestion. Analysis by ICP-MS.	0.010 mg/kg as rcvd	7
Cadmium	Biological materials digestion. Analysis by ICP-MS.	0.004 mg/kg as rcvd	7
Copper	Biological materials digestion. Analysis by ICP-MS.	0.05 mg/kg as rcvd	7
Lead	Biological materials digestion. Analysis by ICP-MS.	0.010 mg/kg as rcvd	7
Mercury	Biological materials digestion. Analysis by ICP-MS.	0.010 mg/kg as rcvd	7
Silver	Biological materials digestion. Analysis by ICP-MS.	0.010 mg/kg as rcvd	7
Tin	Biological materials digestion. Analysis by ICP-MS.	0.10 mg/kg as rcvd	7
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 <sup>th</sup> Edition, 1996 (modified - ICP-MS analysis).	1.0 mg/kg as rcvd	7