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Certificate of Analysis

Client:	Premium Organics Limited	**Lab No:**	3307597	POSSSEP-6v1
Contact:	Dave Wylie C/- Premium Organics Limited 17 Riddell Road Kerikeri 0230	**Date Received:** **Date Reported:** **Quote No:** **Order No:** **Client Reference:** **Submitted By:**	22-Jun-2023 04-Jul-2023 Dave Wylie	

Sample Type: Plant Derived Food Additives and Supplements

Sample Name:	TURKEY TAIL
Lab Number:	3307597.6
Multiresidue Analysis 2 - Type C Samples*	
Analytes Detected:	None

Please refer to the detection limits table for the list of analytes screened and their detection limits.

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
Multiresidue Analysis 2 - Type C Samples*	Solvent extraction, SPE cleanup, dilution. Analysis by LC-MS/MS. In-house (using a Citrate buffered QuEChERS extraction).	0.010 - 0.3 mg/kg	6

These samples were collected by yourselves (or your agent) and analysed as received at the laboratory.

Testing was completed on 04-Jul-2023. For completion dates of individual analyses please contact the laboratory.

Samples are held at the laboratory after reporting for a length of time based on the stability of the samples and analytes being tested (considering any preservation used), and the storage space available. Once the storage period is completed, the samples are discarded unless otherwise agreed with the customer. Extended storage times may incur additional charges.

Helen McGowan BSc (Tech)
Operations Support - Food & Bioanalytical

Detection Limits

Analytes	Detection Limit
Multiresidue Analysis 2 - Type C Samples	
Abamectin	0.05 mg/kg
Acetamiprid	0.05 mg/kg
Aldicarb	0.05 mg/kg
Aldicarb sulfone	0.05 mg/kg
Aldicarb sulfoxide	0.05 mg/kg
Ametoctradin	0.05 mg/kg
Ametryn	0.05 mg/kg
Anilazine	0.05 mg/kg
Anilofos	0.05 mg/kg
Azadirachtin	0.10 mg/kg
Benzalkonium chloride (C10)	0.13 mg/kg
Benzalkonium chloride (C12)	0.5 mg/kg
Benzalkonium chloride (C14)	0.5 mg/kg
Benzalkonium chloride (C16)	0.13 mg/kg
Bixafen	0.05 mg/kg
Boscalid	0.05 mg/kg
Carbendazim (including Benomyl and Thiophanate)	0.05 mg/kg
Carfentrazone-ethyl	0.05 mg/kg
Chlorantraniliprole	0.05 mg/kg
Chloridazon	0.05 mg/kg
Clethodim	0.05 mg/kg
Clofentezine	0.05 mg/kg
Clothianidin	0.05 mg/kg
Cyantraniliprole	0.05 mg/kg
Cyazofamid	0.05 mg/kg
Cyflufenamid	0.05 mg/kg
Cymoxanil	0.05 mg/kg
Didecyldimethylammonium chloride (DDAC)	0.10 mg/kg
Desmedipham	0.05 mg/kg
Diethofencarb	0.05 mg/kg
Diflubenzuron	0.10 mg/kg
Dinotefuran	0.05 mg/kg
Dodine	0.4 mg/kg
Emamectin	0.15 mg/kg
Empenthrin	1.0 mg/kg
Ethofumesate	0.05 mg/kg
Etobenzanid	0.05 mg/kg
Fenamidone	0.05 mg/kg
Fenbuconazole	0.05 mg/kg
Fenhexamid	0.04 mg/kg
Fenoxycarb	0.05 mg/kg
Fenpropidin	0.05 mg/kg
Fenpyrazamine	0.05 mg/kg
Fenpyroximate	0.05 mg/kg
Fipronil	0.05 mg/kg
Flonicamid	0.05 mg/kg
Fluazinam	0.05 mg/kg
Flufenacet	0.05 mg/kg
Flufenoxuron	0.05 mg/kg
Florasulam	0.05 mg/kg
Flumethrin	0.05 mg/kg
Flumetsulam	0.05 mg/kg
Flumioxazin	0.02 mg/kg
Fluopicolide	0.05 mg/kg
Fluopyram	0.05 mg/kg

Analytes	Detection Limit
Flusulfamide	0.05 mg/kg
Flutolanil	0.05 mg/kg
Fluxapyroxad	0.05 mg/kg
Forchlorfenuron	0.05 mg/kg
Gibberellic acid (GA3)	0.05 mg/kg
Halauxifen-methyl	0.05 mg/kg
Heptenophos	0.05 mg/kg
Imidacloprid	0.05 mg/kg
Indaziflam	0.05 mg/kg
Iodocarb (IPBC)	0.10 mg/kg
Ipconazole	0.05 mg/kg
Isoproturon	0.05 mg/kg
Isopyrazam	0.05 mg/kg
Isoxathion	0.05 mg/kg
Isoxathion oxon	0.05 mg/kg
Lufenuron	0.4 mg/kg
Mandipropamid	0.05 mg/kg
Mandestrobin	0.05 mg/kg
Mefentrifluconazole*	0.05 mg/kg
Metamitron	0.05 mg/kg
Metaldehyde	0.2 mg/kg
Metconazole	0.05 mg/kg
Methabenzthiazuron	0.05 mg/kg
Methomyl	0.05 mg/kg
Methoxyfenozide	0.05 mg/kg
Methyl anthranilate	0.10 mg/kg
Metrafenone	0.05 mg/kg
Milbemectin	0.10 mg/kg
Novaluron	0.05 mg/kg
Octhilinone	0.10 mg/kg
Oryzalin	0.05 mg/kg
Oxamyl	0.05 mg/kg
Oxathiapiprolin	0.05 mg/kg
Pencycuron	0.10 mg/kg
Penflufen	0.05 mg/kg
Penthiopyrad	0.05 mg/kg
Phenmedipham	0.05 mg/kg
Propamocarb	0.05 mg/kg
Propargite	0.05 mg/kg
Proquinazid	0.05 mg/kg
Prosulfocarb	0.05 mg/kg
Prothioconazole-desthio	0.05 mg/kg
Pydiflumetofen	0.05 mg/kg
Pyraclostrobin	0.05 mg/kg
Pyridaphenthion	0.05 mg/kg
Pyrifluquinazon	0.05 mg/kg
Pyriofenone	0.05 mg/kg
Quinoxyfen	0.05 mg/kg
Saflufenacil	0.05 mg/kg
Sethoxydim	0.05 mg/kg
Spinetoram	0.05 mg/kg
Spinosad	0.04 mg/kg
Spiromesifen	0.05 mg/kg
Spiromesifen-enol	0.05 mg/kg
Spirotetramat	0.05 mg/kg
Spirotetramat-cis-enol	0.05 mg/kg
Spirotetramat-cis-keto-hydroxy	0.05 mg/kg

Analytes	Detection Limit
Spirotetramat-enol-glucoside	0.05 mg/kg
Spirotetramat-mono-hydroxy	0.05 mg/kg
Spiroxamine	0.04 mg/kg
Sulfoxaflor	0.05 mg/kg
Tebufenozide (Mimic)	0.05 mg/kg
Teflubenzuron	0.10 mg/kg
Tepraloxydim	0.05 mg/kg
Tetraconazole	0.010 mg/kg
Thiabendazole	0.05 mg/kg
Thiacloprid	0.05 mg/kg
Thiamethoxam	0.05 mg/kg
Thifluzamide	0.05 mg/kg
Thiophanate-methyl	0.05 mg/kg
Triadimenol	0.010 mg/kg
Trichlorfon	0.05 mg/kg
Triflumuron	0.05 mg/kg
Triforine	0.04 mg/kg
Uniconazole	0.010 mg/kg