



Certificate of Analysis

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Client:	Herbex Limited	Lab No:	2135106	POPv1
Contact:	Gerhard Stemmler C/- Herbex Limited PO Box 516 LAUTOKA FIJI	Date Received:	04-Mar-2019	
		Date Reported:	06-Mar-2019	
		Quote No:	51670	
		Order No:		
		Client Reference:		
		Submitted By:	Gerhard Stemmler	

Sample Type: Fruit (juice)

Sample Name:	Noni Fruit Juice			
Lab Number:	2135106.1			
Multiresidue Analysis 1 - Type A Liquid Samples				
Analytes Detected:	None			
Multiresidue Analysis 2 - Type A Liquid 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 clean 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. Unless otherwise indicated, analyses were performed at Hill Laboratories, 28 Duke Street, Frankton, Hamilton 3204.

Sample Type: Fruit (juice)

Test	Method Description	Default Detection Limit	Sample No
Multiresidue Analysis 1 - Type A Liquid Samples	Solvent extraction, SPE cleanup, dilution. Analysis by GC-MS/MS and LC-MS/MS.	0.005 - 0.02 mg/L	1
Multiresidue Analysis 2 - Type A Liquid Samples	Solvent extraction, SPE cleanup, dilution. Analysis by LC-MS/MS.	0.010 - 0.03 mg/L	1

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

Samples are held at the laboratory after reporting for a length of time depending on the preservation used and the stability of the analytes being tested. Once the storage period is completed the samples are discarded unless otherwise advised by the client.

This certificate of analysis must not be reproduced, except in full, without the written consent of the signatory.

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



This Laboratory is accredited by International Accreditation New Zealand (IANZ), which represents New Zealand in the International Laboratory Accreditation Cooperation (ILAC). Through the ILAC Mutual Recognition Arrangement (ILAC-MRA) this accreditation is internationally recognised. The tests reported herein have been performed in accordance with the terms of accreditation, with the exception of tests marked *, which are not accredited.

Detection Limits

Analytes	Detection Limit	Analytes	Detection Limit	Analytes	Detection Limit
Multiresidue Analysis 1 - Type A Liquid Samples		Cyproconazole	0.010 mg/L	Fenvalerate (including Esfenvalerate)	0.010 mg/L
Acephate	0.010 mg/L	Cyprodinil	0.010 mg/L	Fluazifop-butyl	0.010 mg/L
Acetochlor	0.010 mg/L	2,4'-DDD	0.005 mg/L	Flucythrinate	0.010 mg/L
Acrinathrin	0.010 mg/L	4,4'-DDD	0.005 mg/L	Fludioxonil	0.010 mg/L
Alachlor	0.010 mg/L	2,4'-DDE	0.005 mg/L	Fluometuron	0.010 mg/L
Aldrin	0.005 mg/L	4,4'-DDE	0.005 mg/L	Flusilazole	0.010 mg/L
Atrazine	0.010 mg/L	2,4'-DDT	0.005 mg/L	Flutriafol	0.010 mg/L
Atrazine-desethyl	0.010 mg/L	4,4'-DDT	0.005 mg/L	Fluvalinate	0.010 mg/L
Atrazine-desisopropyl	0.010 mg/L	Deltamethrin (including Tralomethrin)	0.010 mg/L	Folpet	0.010 mg/L
Azaconazole	0.010 mg/L	Demeton-S-methyl	0.010 mg/L	Fonofos	0.010 mg/L
Azinphos-methyl	0.010 mg/L	Diazinon	0.010 mg/L	Furalaxyl	0.010 mg/L
Azoxystrobin	0.010 mg/L	Dichlobenil	0.010 mg/L	Furathiocarb	0.010 mg/L
Benalaxyl	0.010 mg/L	Dichlofenthion	0.010 mg/L	Halfenprox	0.010 mg/L
Bendiocarb	0.010 mg/L	Dichlofluanid	0.010 mg/L	Haloxypop-methyl	0.010 mg/L
Benodanil	0.010 mg/L	Dichloran	0.010 mg/L	Heptachlor	0.005 mg/L
Benoxacor	0.010 mg/L	Dichlorvos	0.010 mg/L	Heptachlor epoxide	0.005 mg/L
alpha-BHC	0.005 mg/L	Dicofol	0.010 mg/L	Hexachlorobenzene	0.005 mg/L
beta-BHC	0.005 mg/L	Dicrotophos	0.010 mg/L	Hexaconazole	0.010 mg/L
gamma-BHC (Lindane)	0.005 mg/L	Dieldrin	0.005 mg/L	Hexazinone	0.010 mg/L
delta-BHC	0.005 mg/L	Difenoconazole	0.010 mg/L	Hexythiazox	0.010 mg/L
Bifenox	0.010 mg/L	Diffenican	0.010 mg/L	Imazalil	0.010 mg/L
Bifenthrin	0.010 mg/L	Dimethenamid	0.010 mg/L	Indoxacarb	0.010 mg/L
Bitertanol	0.010 mg/L	Dimethoate	0.010 mg/L	Iodofenphos	0.010 mg/L
Bromacil	0.010 mg/L	Dimethomorph	0.010 mg/L	Iprobenfos	0.010 mg/L
Bromophos-ethyl	0.010 mg/L	Dimethylvinphos	0.010 mg/L	Iprodione	0.010 mg/L
Bromopropylate	0.010 mg/L	Dioxabenzofos	0.010 mg/L	Isazophos	0.010 mg/L
Bupirimate	0.010 mg/L	Diphenylamine	0.010 mg/L	Isofenphos	0.010 mg/L
Buprofezin	0.010 mg/L	Disulfoton	0.010 mg/L	Isoprocarb	0.010 mg/L
Butachlor	0.010 mg/L	Diuron	0.010 mg/L	Kresoxim-methyl	0.010 mg/L
Butamifos	0.010 mg/L	Edifenphos	0.010 mg/L	Leptophos	0.010 mg/L
Cadusafos	0.010 mg/L	Endosulfan I	0.005 mg/L	Linuron	0.010 mg/L
Captafol	0.010 mg/L	Endosulfan II	0.005 mg/L	Malathion	0.010 mg/L
Captan	0.010 mg/L	Endosulfan sulfate	0.005 mg/L	Mepronil	0.010 mg/L
Carbaryl	0.010 mg/L	Endrin	0.005 mg/L	Metalaxyl (Mefenoxam)	0.010 mg/L
Carbofenthiion	0.010 mg/L	Endrin aldehyde	0.005 mg/L	Methacrifos	0.010 mg/L
Carbofuran	0.010 mg/L	Endrin Ketone	0.005 mg/L	Methamidophos	0.010 mg/L
Carboxin	0.010 mg/L	EPN	0.010 mg/L	Methidathion	0.010 mg/L
cis-Chlordane	0.005 mg/L	Epoxiconazole	0.010 mg/L	Methiocarb	0.010 mg/L
trans-Chlordane	0.005 mg/L	EPTC	0.010 mg/L	Methoxychlor	0.005 mg/L
Chlorfenapyr	0.010 mg/L	Esprocarb	0.010 mg/L	Metolachlor	0.010 mg/L
Chlorfenvinphos	0.010 mg/L	Ethion	0.010 mg/L	Metribuzin	0.010 mg/L
Chlorfluazuron	0.010 mg/L	Ethoprophos	0.010 mg/L	Mevinphos	0.010 mg/L
Chlorobenzilate	0.010 mg/L	Etoxazole	0.010 mg/L	Molinate	0.010 mg/L
Chlorothalonil	0.010 mg/L	Etridiazole	0.02 mg/L	Monocrotophos	0.010 mg/L
Chlorpropham	0.010 mg/L	Etrimfos	0.010 mg/L	Myclobutanil	0.010 mg/L
Chlorpyrifos	0.010 mg/L	Famphur	0.010 mg/L	Naled	0.010 mg/L
Chlorpyrifos-methyl	0.010 mg/L	Fenamiphos	0.010 mg/L	Napropamide	0.010 mg/L
Chlorthal-dimethyl	0.010 mg/L	Fenarimol	0.010 mg/L	Nitrofen	0.010 mg/L
Chlortoluron	0.010 mg/L	Fenchlorphos	0.010 mg/L	Nitrothal-isopropyl	0.010 mg/L
Chlozolinate	0.010 mg/L	Fenitrothion	0.010 mg/L	Norflurazon	0.010 mg/L
Clomazone	0.010 mg/L	Fenobucarb	0.010 mg/L	Omethoate	0.010 mg/L
Coumaphos	0.010 mg/L	Fenoxaprop-ethyl	0.010 mg/L	Oxadiazon	0.010 mg/L
Cyanazine	0.010 mg/L	Fenpiclonil	0.010 mg/L	Oxadixyl	0.010 mg/L
Cyanophos	0.010 mg/L	Fenpropathrin	0.010 mg/L	Oxychlordane	0.005 mg/L
Cyfluthrin	0.010 mg/L	Fenpropimorph	0.010 mg/L	Oxyfluorfen	0.010 mg/L
Cyhalothrin	0.010 mg/L	Fensulfothion	0.010 mg/L	Paclbutrazol	0.010 mg/L
Cypermethrin	0.010 mg/L	Fenthion	0.010 mg/L	Parathion-ethyl	0.010 mg/L

Analytes	Detection Limit	Analytes	Detection Limit	Analytes	Detection Limit
Parathion-methyl	0.010 mg/L	Trifloxystrobin	0.010 mg/L	Thiamethoxam	0.010 mg/L
Penconazole	0.010 mg/L	Trifluralin	0.010 mg/L	Thifluzamide	0.010 mg/L
Pendimethalin	0.010 mg/L	Vinclozolin	0.010 mg/L	Thiophanate-methyl	0.010 mg/L
Permethrin	0.010 mg/L	Multiresidue Analysis 2 - Type A Liquid Samples		Triadimenol	0.010 mg/L
Phenthoate	0.010 mg/L			Abamectin	0.010 mg/L
Phorate	0.010 mg/L	Acetamiprid	0.010 mg/L	Triflumuron	0.010 mg/L
Phosalone	0.010 mg/L	Aldicarb	0.010 mg/L	Uniconazole	0.010 mg/L
Phosmet	0.010 mg/L	Aldicarb sulfone	0.010 mg/L		
Phosphamidon	0.010 mg/L	Aldicarb sulfoxide	0.010 mg/L		
Piperonyl-butoxide	0.010 mg/L	Ametryn	0.010 mg/L		
Pirimicarb	0.010 mg/L	Anilazine	0.02 mg/L		
Pirimiphos-methyl	0.010 mg/L	Boscalid	0.010 mg/L		
Prochloraz	0.010 mg/L	Carbendazim (including Benomyl and Thiophanate)	0.010 mg/L		
Procymidone	0.010 mg/L	Carfentrazone-ethyl	0.010 mg/L		
Profenofos	0.010 mg/L	Chlorantranilprole	0.010 mg/L		
Prometryn	0.010 mg/L	Chloridazon	0.010 mg/L		
Propachlor	0.010 mg/L	Clethodim	0.010 mg/L		
Propanil	0.010 mg/L	Clofentezine	0.010 mg/L		
Propaphos	0.010 mg/L	Diethofencarb	0.010 mg/L		
Propazine	0.010 mg/L	Diflubenzuron	0.010 mg/L		
Propetamphos	0.010 mg/L	Dodine	0.010 mg/L		
Propham	0.010 mg/L	Emamectin	0.010 mg/L		
Propiconazole	0.010 mg/L	Empenthrin	0.03 mg/L		
Propoxur	0.010 mg/L	Fenhexamid	0.010 mg/L		
Propyzamide	0.010 mg/L	Fenoxycarb	0.010 mg/L		
Prothiofos	0.010 mg/L	Fenpyroximate	0.010 mg/L		
Pyraclufos	0.010 mg/L	Fipronil	0.010 mg/L		
Pyrazophos	0.010 mg/L	Flufenoxuron	0.010 mg/L		
Pyrazoxyfen	0.010 mg/L	Flumioxazin	0.010 mg/L		
Pyrethrin	0.010 mg/L	Flutolanil	0.010 mg/L		
Pyrifenox	0.010 mg/L	Imidacloprid	0.010 mg/L		
Pyrimethanil	0.010 mg/L	Lufenuron	0.010 mg/L		
Pyriproxyfen	0.010 mg/L	Metconazole	0.010 mg/L		
Quinalphos	0.010 mg/L	Methabenzthiazuron	0.010 mg/L		
Quintozene	0.010 mg/L	Methomyl	0.010 mg/L		
Quizalofop-ethyl	0.010 mg/L	Methoxyfenozide	0.010 mg/L		
Simazine	0.010 mg/L	Milbemectin	0.010 mg/L		
Simetryn	0.010 mg/L	Oryzalin	0.02 mg/L		
Sulfentrazone	0.010 mg/L	Oxamyl	0.010 mg/L		
Sulfotep	0.010 mg/L	Pencycuron	0.010 mg/L		
Tebuconazole	0.010 mg/L	Propamocarb	0.010 mg/L		
Tebufenpyrad	0.010 mg/L	Propargite	0.010 mg/L		
Tefluthrin	0.010 mg/L	Pyraclostrobin	0.010 mg/L		
Terbacil	0.010 mg/L	Pyridaphenthion	0.010 mg/L		
Terbufos	0.010 mg/L	Sethoxydim	0.010 mg/L		
Terbumeton	0.010 mg/L	Spinetoram	0.010 mg/L		
Terbutylazine	0.010 mg/L	Spinosad	0.010 mg/L		
Terbutylazine-desethyl	0.010 mg/L	Spiromesifen	0.010 mg/L		
Terbutryn	0.010 mg/L	Spirotetramat	0.010 mg/L		
Tetrachlorvinphos	0.010 mg/L	Spirotetramat-enol	0.010 mg/L		
Tetradifon	0.010 mg/L	Spirotetramat-cis-keto-hydroxy	0.010 mg/L		
Thenylchlor	0.010 mg/L	Spirotetramat-enol-glucoside	0.010 mg/L		
Thiobencarb	0.010 mg/L	Spirotetramat-mono-hydroxy	0.010 mg/L		
Thiometon	0.010 mg/L	Tebufenozide (Mimic)	0.010 mg/L		
Tolclofos-methyl	0.010 mg/L	Teflubenzuron	0.02 mg/L		
Tolyfluanid	0.010 mg/L	Tetraconazole	0.010 mg/L		
Triadimefon	0.010 mg/L	Thiacloprid	0.010 mg/L		
Triallate	0.010 mg/L				
Triazophos	0.010 mg/L				