

Hearshaw and Kinnes Analytical Laboratory (Pty) Ltd.



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Test Report

Werda Boerdery
P.O. Box 5298
Worcester
6851

Report Reference: 165818
24/01/2019

Attention: Pieter Conradie

Customer Reference:

Report on one sample(s) sent for pesticide residue analysis, received on 22/01/2019

This report is issued in accordance with the requirements of ISO/IEC 17025. Samples were analysed in accordance with analytical method(s) FF01/FF02/LCMS/DC01/ET02.

Analysis started: 22/01/2019

All samples were received in a condition adequate for testing.

Results Summary

Internal Reference: 19055277

Sample Description

Producer Code	H0116
PUC	H2614
Orchard	GS1
Sampling Date	21/01/2019
Commodity	Grape
Cultivar	Crimson

<u>Pesticide(s) Detected</u>	<u>Residue</u>	
Boscalid	0.014	mg/kg
Ethephon	0.14	mg/kg
Fluopyram	0.053	mg/kg
Imidacloprid	0.029	mg/kg
Penconazole	0.020	mg/kg

This report applies only to the samples analysed.

Technical Manager

K.D. Hearshaw

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The following compounds were sought, but not detected above their reporting limits [mg/kg], for the sample(s) on report 165818, unless specified in the body of the report.

FF01 (GC-ECD/GC-NPD/GCMSMS)

Captab 0.1 Folpet 0.1

LCMS (LC-MSMS)

2,4D (Free Acid)	0.01	Acephate	0.01	Acetamiprid	0.01
Acetochlor	0.01	Aldicarb	0.01	Aldicarb Sulphone (Aldoxycarb)	0.01
Aldicarb Sulphoxide	0.01	Ametoctradin	0.01	Azoxystrobin	0.01
Benomyl (Expressed as Carbendazim)	0.01	Benthiavalcarb	0.01	Benzalkonium Chloride - 10	0.01
Benzalkonium Chloride - 12	0.01	Benzalkonium Chloride - 14	0.01	Benzalkonium Chloride - 16	0.01
Bitertanol	0.01	Buprofezin	0.01	Cadusafos	0.01
Carbaryl	0.01	Carbendazim (Sum of Carbendazim & Benomyl)	0.01	Carbofuran	0.01
Chloramizol (Imazalil)	0.01	Chlorantraniliprole	0.01	Cymoxanil	0.01
Cyprodinil	0.01	Demeton-S-Methyl	0.01	Demeton-S-methyl Sulphone	0.01
Dichlorprop (Free Acid) (including Dichlorprop-P)	0.01	Dichlorvos	0.01	Didecyldimethylammonium Chloride	0.01
Difenoconazole	0.01	Diflubenzuron	0.01	Dimethoate	0.01
Dimethomorph	0.01	Dodine	0.01	Emamectin	0.01
Epoxiconazole	0.01	Etoxazole	0.01	Fenamidon	0.01
Fenamiphos	0.01	Fenzaquin	0.01	Fenbuconazole	0.01
Fenbutatin-Oxide	0.01	Fenhexamid	0.01	Fenoxycarb	0.05
Fentin Hydroxide	0.01	Fipronil	0.01	Flubendiamide	0.01
Fludioxonil	0.01	Flufenoxuron	0.01	Fluopicolide	0.01
Fluopyram	0.01	Flusilazole	0.01	Formetanate	0.01
Haloxypol methyl	0.01	Imidacloprid	0.01	Indoxacarb	0.01
Iprovalicarb	0.01	Linuron	0.01	Lufenuron	0.01
Mefenoxam (Metalaxyl)	0.01	Methamidophos	0.01	Methiocarb (Sum of Methiocarb, its sulphone & sulphoxide)	0.01
Methomyl	0.01	Methoxyfenocide	0.01	Mevinphos	0.01
Monocrotophos	0.01	Novaluron	0.01	Omethoate	0.01
Oxamyl (sum of oxamyl and its oxime expressed as oxamyl)	0.01	Oxydemeton-methyl	0.01	Phoxim	0.01
Piperonyl Butoxide	0.01	Pirimicarb	0.01	Prochloraz	0.01
Propamocarb	0.01	Propaquizafop	0.01	Propargite	0.01
Pymetrozine	0.01	Pyraclostrobin	0.01	Pyrimethanil	0.01
Pyriproxyfen	0.01	Spinetoram	0.01	Spinosad	0.01
Spirodiclofen	0.01	Spirotetramat (BYI08330-enol, BYI08330-ketohydroxy and BYI08330-enol-glucoside), expressed as Spirotetramat	0.01	Spiroxamine	0.01
Sulfoxaflor	0.01	Tebuconazole	0.01	Teflubenzuron	0.01
Thiabendazole	0.01	Thiacloprid	0.01	Thiadiazuron	0.01

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Technical Manager

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LCMS (LC-MSMS)

Thiamethoxam (Sum of thiamethoxam and clothianidin, expressed as thiamethoxam)	0.01	Triadimefon	0.02	Triadimenol	0.02
Trichlorfon	0.01	Trifloxystrobin	0.01	Triflumuron	0.01
Vamidothion	0.01				

DC01 (GC-MS)

Dithiocarbamates (dithiocarbamates expressed as CS₂, including maneb, mancozeb, metiram, propineb, thiram and ziram) 0.1

ET02

Ethephon 0.05

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FF02

2,4-DDE	0.01	2,4-DDT	0.01	4,4-DDE	0.01
4,4-DDT	0.01	Acrinathrin	0.01	Alachlor	0.01
Aldrin	0.01	Allethrin	0.01	Azaconazole	0.01
Azinphos-ethyl	0.01	Azinphos-methyl	0.01	Bendiocarb	0.01
Bifenthrin (sum of isomers)	0.01	Boscalid	0.01	Bromophos-Ethyl	0.01
Bromophos-Methyl	0.01	Bromopropylate	0.01	Bupirimate	0.01
Carbophenothion	0.01	Chinomethionate	0.01	Chlordane Alpha	0.01
Chlordane Gamma	0.01	Chlorfenvinphos	0.01	Chlorothalonil	0.01
Chlorphenapyr	0.01	Chlorpyrifos	0.01	Chlorpyrifos-methyl	0.01
Chlorthal-dimethyl	0.01	Clomazone	0.01	Coumaphos	0.01
Cycloate	0.01	Cyfluthrin (cyfluthrin including other mixtures of constituent isomers (sum of isomers))	0.01	Cypermethrin (cypermethrin including other mixtures of constituent isomers (sum of isomers))	0.01
Cyproconazole	0.01	Deltamethrin	0.01	Desmetryne	0.01
Dichlofluanid	0.01	Diclofop-methyl	0.01	Dicloran	0.01
Dieldrin	0.01	Dinobuton	0.01	Diofenolan	0.01
Diphenylamine	0.01	Endosulfan (Sum of alpha, beta endosulfan and endosulfan sulphate)	0.01	EPN	0.01
Etaconazole	0.01	Ethion	0.01	Ethoprophos	0.01
* Ethoxyquin	0.05	Etofenprox	0.01	Famoxadone	0.01
Fenarimol	0.01	Fenitrothion	0.01	Fenoxaprop-P-ethyl	0.01
Fenpropathrin	0.01	Fenthion	0.01	Fenvalerate (Sum of isomers, including esfenvalerate)	0.01
Flamprop-methyl	0.01	Fluazifop-P-Butyl	0.01	Fluorochloridone	0.01
Flutriafol	0.01	Gamma HCH (Lindane)	0.01	Heptachlor	0.01
Hexaconazole	0.01	Iprodione	0.01	Isofenphos	0.01
Kresoxim-methyl	0.01	Lambda-Cyhalothrin	0.01	Mercaptothion	0.01
Metazachlor	0.01	Methidathion	0.01	Metolachlor	0.01
Metrafenone	0.01	Metribuzin	0.01	Myclobutanil	0.01
Nitrothal-isopropyl	0.01	Nuarimol	0.01	Ofurace	0.01
Ortho Phenyl Phenol (2-Phenylphenol)	0.01	Oxadixyl	0.01	Parathion-ethyl	0.01
Parathion-methyl	0.01	Penconazole	0.01	Pendimethalin	0.01
Pentachloroaniline	0.01	Permethrin (sum of isomers)	0.01	Phenthoate	0.01
Phorate	0.01	Phosmet	0.01	Picoxystrobin	0.01
Procymidone	0.01	Profenofos	0.01	Promecarb	0.01
Propiconazole (sum of isomers)	0.01	Proquinazid	0.01	Prothiofos	0.01
Pyraflufen-ethyl	0.01	Quinoxifen	0.01	Sulfentrazone	0.01
tau-Fluvalinate	0.01	Terbufos	0.01	Tetraconazole	0.01
Tetradifon	0.01	Triazophos	0.01	Trifluralin	0.01
Uniconazole	0.01	Vincllozolin	0.01	Zoxamide	0.01

* Indicates that this determination is not included in the scope of accreditation for the laboratory

***** End of Report *****