

Hearshaw and Kinnes Analytical Laboratory (Pty) Ltd.



9 Regent Park, Bell Crescent, Westlake Business Park, 7945

Postnet Suite # 299, Private Bag X26, Tokai, 7966

Tel: +27 21 702-4131

Fax: +27 21 702-4133

e-mail: admin@hkal.co.za

Test Report

Werda Boerdery
P.O. Box 5298
Worcester
6851

Report Reference: 167030
07/02/2019

Attention: Pieter Conradie

Customer Reference:

Report on one sample(s) sent for pesticide residue analysis, received on 05/02/2019

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: 05/02/2019

MRL: Default Export

All samples were received in a condition adequate for testing.

Results Summary

Internal Reference: 19073198

Sample Description

Producer Code	H0116
PHC	H2614
Orchard	GS1
Sampling Date	04/02/2019
Commodity	Grape
Cultivar	Crimson

<u>Pesticide(s) Detected</u>	<u>Residue</u>		<u>MRL</u>
Boscalid	<0.01	mg/kg	5.0 mg/kg
Ethephon	0.062	mg/kg	1.0 mg/kg
Fluopyram	0.030	mg/kg	1.5 mg/kg
Imidacloprid	0.023	mg/kg	0.05 mg/kg
Penconazole	<0.01	mg/kg	0.2 mg/kg

This report applies only to the samples analysed.

Technical Manager

K.D. Hearshaw

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While all reasonable care has been taken in checking and updating the MRL information on this report, Hearshaw and Kinnes Analytical Laboratory (Pty) Ltd. accepts no responsibility for the accuracy, reliability or completeness of the information provided.

The expanded uncertainty of measurement of the results on this report are < 50% at the 95% confidence level with a coverage factor of 2, in accordance with SANCO/12571/2013, paragraph E13, Revision 0, 2013

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The following compounds were sought, but not detected above their reporting limits [mg/kg], for the sample(s) on report 167030, 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	Benthiavalicarb	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	Fenazaquin	0.01	Fenbuconazole	0.01
Fenbutatin-Oxide	0.01	Fenhexamid	0.01	Fenoxycarb	0.05
Fentin Hydroxide	0.01	Fipronil (sum fipronil + sulfone metabolite (MB46136) expressed as fipronil) (F)	0.01	Flubendiamide	0.01
Fludioxonil	0.01	Flufenoxuron	0.01	Fluopicolide	0.01
Fluopyram	0.01	Flusilazole	0.01	Formetanate	0.01
Haloxypop 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

K.D. Hearshaw

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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 *****