

Analytical Test Report

Report no.: 30535-1

Date of report: 30 Nov 2016

This report replaces: None

Client details

Name:	Chargo Trust	Phone no:	054 431 0599
Attention:	Marietjie Calitz	Fax no:	054 431 0291
Email:	anelda@chargo.net	Postal address:	P.O. Box 624
cc:	tokka@chargo.net		Kakamas
cc:			8870
cc:	hein@chargo.net		

Sample details

Sample No:	30535	Food type:	Grape
Co-op/Pack house:	A6362	Cultivar:	Prime
Intake Doc. No:	Info Not Supplied	Orchard name:	DR10
PUC code:	A6037	Sample drawn by:	A. Aggenbacht
Producer:	Chargo Trust - Sonvrucht	MRL jurisdiction:	EU
Client reference:	Info Not Supplied	Date sample drawn:	24 Nov 2016
Order no:	Info N/A	Date sample received:	25 Nov 2016

Description of analysis performed

<u>Analysis description</u>	<u>Analysis technique</u>	<u>Date of analysis</u>
GC Multi-residue Pesticide Test	GC/MS multi-residue analysis (GC-01)	25 Nov 2016
LC Multi-residue Pesticide Test	LC/MSMS multi-residue analysis (LC-01)	29 Nov 2016

Summary of results

<u>Analyte</u>	<u>MRL (mg/kg)</u>	<u>LOQ (mg/kg)</u>	<u>Results (mg/kg)</u>
Penconazole	0.200	0.005	0.013
Quinoxifen	1.000	0.005	0.0094

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Analytes covered by respective techniques

GC/MS multi-residue analysis (GC-01)

Analyte	LOQ (mg/kg)	Analyte	LOQ (mg/kg)
2,4'-DDE	0.010	2,4'-DDT	0.010
2-Phenylphenol	0.010	4,4'-DDE	0.010
4,4'-DDT	0.010	Acrinathrin	0.010
Aldrin	0.010	Azinphos-ethyl	0.010
Bifenthrin	0.010	Bromophos-methyl	0.010
Bromopropylate	0.010	Captan	0.020
Chlordane	0.010	Chlorfenapyr	0.010
Chlorothalonil	0.010	Chlorpyrifos	0.005
Chlorthal-dimethyl	0.010	Coumaphos	0.010
Cyfluthrin	0.020	Cyhalothrin-lambda	0.010
Cypermethrin (sum of isomers)	0.020	Deltamethrin	0.020
Dichloran	0.020	Dieldrin	0.010
Esfenvalerate	0.020	Etaconazole	0.010
Etofenprox	0.010	Fenvalerate	0.020
Folpet	0.010	Parathion	0.020
Parathion-methyl	0.050	Permethrin (sum of isomers)	0.010
Procymidone	0.010	Prothiophos	0.010
Tau-fluvalinate	0.005	Tetradifon	0.010
Trifluralin	0.010	Vinclozolin	0.010

LC/MSMS multi-residue analysis (LC-01)

Analyte	LOQ (mg/kg)	Analyte	LOQ (mg/kg)
Abamectin B1a	0.005	Acetamiprid	0.005
Acetochlor	0.005	Aldicarb	0.005
Aldicarb sulfone	0.005	Aldicarb sulfoxide	0.005
Ametoctradin	0.005	Amitraz	0.005
Azadirachtin	0.005	Azinphos-methyl	0.005
Azoxystrobin	0.005	BAC-10	0.050
BAC-12	0.050	BAC-14	0.005
BAC-8	0.050	Benthiavalicarb	0.005
Bitertanol	0.005	Boscalid	0.005
Bupirimate	0.005	Buprofezin	0.005
Cadusafos	0.005	Carbaryl	0.005
Carbendazim	0.005	Chlorantraniliprole	0.005
Chlorpyrifos	0.005	Cymoxanil	0.005
Cyprodinil	0.005	Demeton-S-methyl	0.005
Demeton-S-methyl sulfone	0.005	Dichlorvos	0.005
Didecyldimethylammonium chloride	0.050	Difenoconazole	0.005
Dimethoate	0.005	Dimethomorph	0.005
Diphenylamine	0.005	Dodine	0.005
Emamectin Benzoate	0.005	Ethoprophos	0.005
Etoazole	0.005	Fenamidone	0.005
Fenamiphos	0.005	Fenarimol	0.005
Fenazaquin	0.005	Fenbuconazole	0.005
Fenbutatin Oxide	0.005	Fenhexamid	0.005
Fenoxycarb	0.005	Fenpropathrin	0.005
Fenpyroximate	0.005	Fenthion	0.005
Fipronil	0.005	Flufenoxuron	0.005
Fluopicolide	0.005	Fluopyram	0.005
Flusilazole	0.005	Flutriafol	0.005
Fluxapyroxad	0.005	Forchlorfenuron	0.005

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Analyte	LOQ (mg/kg)	Analyte	LOQ (mg/kg)
Formetanate	0.005	Fosthiazate	0.005
Hexaconazole	0.005	Imazalil (Chloramizol)	0.005
Imidacloprid	0.005	Indoxacarb	0.005
Iprodione	0.005	Iprovalicarb	0.005
Isofenphos	0.005	Kresoxim-methyl	0.005
Lufenuron	0.005	Mandipropamid	0.005
Mercaptothion/Malathion	0.005	Metalaxyl	0.005
Methamidophos	0.005	Methodathion	0.005
Methiocarb	0.005	Methomyl	0.005
Methoxyfenozide	0.005	Metrafenone	0.005
Mevinphos	0.005	Monocrotophos	0.005
Myclobutanil	0.005	Omethoate	0.005
Oxamyl	0.005	Oxydemeton-Methyl	0.005
Paclobutrazol	0.005	Penconazole	0.005
Phenthoate	0.005	Phosmet	0.005
Phoxim	0.005	Piperonyl Butoxide	0.005
Pirimicarb	0.005	Pirimiphos methyl	0.005
Prochloraz	0.005	Profenofos	0.005
Propamocarb	0.005	Propargite	0.005
Propiconazole	0.005	Proquinazid	0.005
Pymetrozin	0.005	Pyraclostrobin	0.005
Pyrimethanil	0.005	Pyriproxyfen	0.005
Quinoxifen	0.005	Spinetoram	0.005
Spinosad	0.005	Spirodiclofen	0.005
Spirotetramat	0.005	Spiroxamine	0.005
Tau-fluvalinate	0.005	Tebuconazole	0.005
Teflubenzuron	0.005	Terbufos	0.010
Tetraconazole	0.005	Thiabendazole	0.005
Thiacloprid	0.005	Thiamethoxam	0.005
Thidiazuron	0.005	Triadimenol	0.005
Triazophos	0.005	Trichlorfon	0.005
Trifloxystrobin	0.005	Triflumuron	0.005
Zoxamide	0.005		

*No MRL set means no relevant MRL has been defined for this pesticide in the relevant jurisdiction.

LOQ means limit of quantification

Declaration

- Analysis methods marked with an asterisk (*) do not fall under the laboratory's scope of accreditation.
- The sample information referred to in this report were provided to us by our client and have not been verified by Hortec.
- The results reported herein relate only to the sample tested. Hortec cannot and does not confirm that the sample is representative of the population from which it was drawn.
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- Further information about analytical methods used, LOQs and MRLs is available on request from Hortec.

Report authorised for release by

Leana De Witt
 Technical Signatory
 Hortec (Pty) Ltd