

Analytical Report

ACOPIOS DEL CENTRO SAC

Attn: Diego Ruiz
Calle Los Ciruelos 150 - 307 La Molina
Lima
Peru

Reportnr.	: 545538 version 1	Disponent Number	: ACOCEN-0815
Product recognized as	: Quinoa/Quinoa/Quinoa	Sampling Date	: 12-May-2015
Product Specification	: Quinoa Blanca	Sample size (kg)	: 1
Reference	: SAMPLE RECEIVED	Sealed / Seal Code	: Yes / 12051521
AWB / BarCode	: 773583424974	Sample Arrival Date	: 15-May-2015 13:31
Packing	: Plastic, ambient	ReportDate Version	: 18-May-2015 17:09
Sample Type	: Sample		

Contaminations

Pesticides

Parameter	Amount (A.R.)
Pesticides GCMS	No pesticides at a content above the limit of Quantitation were detected
Pesticides LCMSMS (pos. ionisatio	No pesticides at a content above the limit of Quantitation were detected
Pesticides LCMSMS (neg. ionisatio	No pesticides at a content above the limit of Quantitation were detected

Requested 15-May-2015 by ACOPIOS DEL CENTRO SAC
Analyses according to annex
Drs. ing. H. Janssens Director TLR International Laboratories

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Analysed Contamination / Pesticides below detection limits

Pesticides GCMS

Anthrachinon	< 0,005 mg/kg Q	Alachlor	< 0,005 mg/kg Q	Aldrin and Dieldrin (sum)	< 0,005 mg/kg Q	Amitraz	< 0,005 mg/kg
Azoxystrobin.	< 0,010 mg/kg Q	Atrazine	< 0,005 mg/kg Q	Azinphos-ethyl	< 0,005 mg/kg Q	Azinphos-methyl	< 0,005 mg/kg
Bifentanol.	< 0,010 mg/kg Q	Bifenox	< 0,005 mg/kg Q	Bifenthrin	< 0,010 mg/kg	Biphenyl.	< 0,01 mg/kg Q
Bromopropyl.	< 0,005 mg/kg Q	Bromophos-ethyl	< 0,005 mg/kg Q	Bromophos-methyl	< 0,005 mg/kg Q	Bromopropylate.	< 0,010 mg/kg
Buprofezin	< 0,005 mg/kg	Cadusafos.	< 0,01 mg/kg Q	Captafol	< 0,01 mg/kg	Captan (as THPI)	< 0,005 mg/kg Q
Carbophenothion.	< 0,01 mg/kg Q	Chlordane-cis	< 0,005 mg/kg Q	Chlordane-trans	< 0,005 mg/kg Q	Chloridazon	< 0,005 mg/kg
Chlorobenzilate	< 0,005 mg/kg Q	Chlorobupham	< 0,005 mg/kg Q	Chlorofenvinphos	< 0,005 mg/kg Q	Chloromephos	< 0,005 mg/kg Q
Chloroneb	< 0,005 mg/kg Q	Chloropyriphos-ethyl.	< 0,010 mg/kg	Chloropyriphos-methyl.	< 0,010 mg/kg	Chlorothalonil	< 0,005 mg/kg Q
Chlorpropham	< 0,005 mg/kg Q	Chlorthiophos.	< 0,005 mg/kg	Coumaphos	< 0,005 mg/kg Q	Cyanazine	< 0,005 mg/kg Q
Cyanofenphos	< 0,005 mg/kg Q	Cyfluthrin I	< 0,010 mg/kg Q	Cyfluthrin II	< 0,010 mg/kg Q	Cyfluthrin III	< 0,010 mg/kg Q
Cyhalothrin (Lambda)	< 0,010 mg/kg Q	Cypermethrin (sum)	< 0,010 mg/kg Q	Deltamethrin	< 0,010 mg/kg	Diallate	< 0,005 mg/kg Q
Diazinon	< 0,005 mg/kg Q	Dichlobenil	< 0,005 mg/kg	Dichlofluanid	< 0,005 mg/kg Q	Dichlorvos	< 0,005 mg/kg Q
Dicofol	< 0,010 mg/kg Q	Dicrotophos	< 0,005 mg/kg	Dieldrin	< 0,005 mg/kg Q	Dimethoate	< 0,005 mg/kg Q
Diphenylamine	< 0,005 mg/kg Q	Disulfoton.	< 0,010 mg/kg	Endosulfan-a	< 0,005 mg/kg Q	Endosulfan-β	< 0,005 mg/kg Q
Endosulfansulphate	< 0,005 mg/kg Q	Endrin	< 0,005 mg/kg Q	EPN	< 0,005 mg/kg Q	Ethion	< 0,005 mg/kg Q
Ethoprofos	< 0,005 mg/kg Q	Etrifos	< 0,005 mg/kg Q	Famoxadone.	< 0,010 mg/kg	Fenarimol	< 0,005 mg/kg Q
Fenitrothion.	< 0,010 mg/kg Q	Fenothrin.	< 0,010 mg/kg Q	Fenoxycarb.	< 0,010 mg/kg	Fenpropathrin.	< 0,010 mg/kg Q
Fenthion	< 0,005 mg/kg Q	Fenvaleraat (es)	< 0,010 mg/kg Q	Flucythrinate.	< 0,01 mg/kg	Fluvalinate.	< 0,01 mg/kg
Folpet.	< 0,010 mg/kg	Fonofos.	< 0,01 mg/kg	HCH-a	< 0,005 mg/kg Q	HCH-d	< 0,005 mg/kg Q
HCH-β	< 0,005 mg/kg Q	HCH-y	< 0,005 mg/kg Q	Heptachlor	< 0,005 mg/kg Q	Heptachloroepoxide-cis	< 0,005 mg/kg Q
Heptachloroepoxide-trans	< 0,005 mg/kg Q	Heptenophos	< 0,005 mg/kg Q	Hexachlorobenzene (HCB)	< 0,005 mg/kg Q	Hexazinone	< 0,005 mg/kg Q
Iprodione.	< 0,01 mg/kg	Isodrin	< 0,005 mg/kg Q	Malathion.	< 0,010 mg/kg	Metazachlor	< 0,005 mg/kg Q
Metholachlor.	< 0,010 mg/kg Q	Methoxychlor	< 0,005 mg/kg Q	Mevinphos (E + Z)	< 0,005 mg/kg Q	Nitrofen.	< 0,010 mg/kg
Nonachlor (cis + trans).	< 0,001 mg/kg Q	o,p-DDD	< 0,005 mg/kg Q	o,p-DDD	< 0,005 mg/kg Q	o,p-DDT	< 0,005 mg/kg Q
p,p-DDD	< 0,005 mg/kg Q	p,p-DDD	< 0,005 mg/kg Q	p,p-DDT	< 0,005 mg/kg Q	Parathion-ethyl	< 0,005 mg/kg Q
Parathion-methyl.	< 0,010 mg/kg Q	Pentachlorobenzene	< 0,005 mg/kg	Permethrin I	< 0,010 mg/kg Q	Permethrin II	< 0,010 mg/kg Q
Phenthoate	< 0,010 mg/kg Q	Phenylphenol,2-	< 0,010 mg/kg	Phorate	< 0,010 mg/kg	Phosalone	< 0,005 mg/kg Q
Phosmet.	< 0,01 mg/kg	Phosphamidon (E + Z)	< 0,005 mg/kg Q	Piperonylbutoxide.	< 0,010 mg/kg	Pirimiphos-ethyl	< 0,005 mg/kg Q
Pirimiphos-methyl.	< 0,010 mg/kg Q	Procymidon	< 0,005 mg/kg Q	Profenophos	< 0,005 mg/kg Q	Prometryn	< 0,005 mg/kg Q
Propargite	< 0,010 mg/kg Q	Propazine	< 0,005 mg/kg	Propham	< 0,005 mg/kg Q	Propiconazole	< 0,005 mg/kg
Propyzamide	< 0,005 mg/kg Q	Pyrifenox	< 0,005 mg/kg Q	Quintozeen	< 0,005 mg/kg	Simazine	< 0,005 mg/kg Q
Sulfotepp	< 0,005 mg/kg Q	Tebuconazol	< 0,010 mg/kg Q	Tecnazene	< 0,005 mg/kg Q	Terbufos	< 0,010 mg/kg
Terbutryn	< 0,005 mg/kg Q	Tetradifon	< 0,005 mg/kg Q	Tetramethrin	< 0,01 mg/kg	Thiometon	< 0,005 mg/kg Q
Tolclofos-methyl	< 0,010 mg/kg	Toxaphen (sum)	< 0,005 mg/kg	Toxaphen P26	< 0,005 mg/kg	Toxaphen P50	< 0,005 mg/kg
Toxaphen P62	< 0,005 mg/kg	Triallate	< 0,005 mg/kg Q	Triazophos	< 0,005 mg/kg Q	Trifluralin	< 0,005 mg/kg Q
Vinchlozolin	< 0,005 mg/kg Q						

Pesticides LCMSMS (neg. ionisation)

Chlorfluazuron	< 0,010 mg/kg Q	2,4-D (2,4-dichlorophenoxy) a	< 0,010 mg/kg Q	4-chloro-3-methylphenol	< 0,010 mg/kg	Acrinathrin	< 0,010 mg/kg
Cyathioate.	< 0,005 mg/kg Q	Chloroxuron.	< 0,005 mg/kg Q	Clethodim.	< 0,010 mg/kg	Cyclanilide.	< 0,005 mg/kg
DMSA (N,N-dimethyl-N'-fenyls)	< 0,010 mg/kg Q	Diifubenzuron.	< 0,010 mg/kg Q	Dinoseb.	< 0,010 mg/kg Q	Dinoterb.	< 0,010 mg/kg Q
		DNOC	< 0,010 mg/kg Q	Fenpiclonil.	< 0,010 mg/kg Q	Fipronil.	< 0,005 mg/kg

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Fluazinam.	< 0,010 mg/kg	Flubendiamide	< 0,010 mg/kg	Flucycloxuron (E+Z).	< 0,010 mg/kg	Fludioxinil.	< 0,010 mg/kg
Flufenoxuron.	< 0,010 mg/kg	Fluomethuron.	< 0,010 mg/kg	Flutolanil.	< 0,010 mg/kg	Hexaconazole.	< 0,010 mg/kg
Hexaflumuron.	< 0,010 mg/kg	Imazamethabenz-methyl.	< 0,010 mg/kg	Isoxaflutole.	< 0,010 mg/kg	Lufenuron.	< 0,010 mg/kg
MCPA.	< 0,010 mg/kg	MCPB	< 0,010 mg/kg	Mecoprop	< 0,010 mg/kg	Mepronil.	< 0,010 mg/kg
Monuron.	< 0,010 mg/kg	Neburon.	< 0,010 mg/kg	Norflurazon.	< 0,010 mg/kg	Noviflumuron.	< 0,010 mg/kg
Picolinafen.	< 0,010 mg/kg	Propanil.	< 0,010 mg/kg	Prothioconazole.	< 0,010 mg/kg	Silthiofam.	< 0,010 mg/kg
Sulfosulfuron	< 0,010 mg/kg	Teflubenzuron.	< 0,010 mg/kg	Terbacil.	< 0,010 mg/kg	Triasulfuron.	< 0,010 mg/kg
Triflumuron.	< 0,010 mg/kg	Triflusaluron-methyl.	< 0,010 mg/kg				

Pesticides LCMSMS (pos. ionisation)

Aldicarb sulfoxide.	< 0,005 mg/kg	Acephate.	< 0,005 mg/kg	Acetamidrid.	< 0,005 mg/kg	Aldicarb sulfon.	< 0,005 mg/kg
Azaconazole.	< 0,005 mg/kg	Aldicarb.	< 0,005 mg/kg	Ametryn.	< 0,005 mg/kg	Aminocarb.	< 0,005 mg/kg
Bendiocarb.	< 0,005 mg/kg	Azamephosphos.	< 0,005 mg/kg	Aziprotryne.	< 0,005 mg/kg	Benalaxyl.	< 0,005 mg/kg
Boscalid.	< 0,005 mg/kg	Benodanil.	< 0,005 mg/kg	Benzoyl-prop-ethyl.	< 0,005 mg/kg	Bifenazate	< 0,01 mg/kg
Butoxycarboxim.	< 0,005 mg/kg	Bromacil.	< 0,005 mg/kg	Bupirimate.	< 0,005 mg/kg	Butocarboxim sulfoxide.	< 0,01 mg/kg
Carbofuran.	< 0,005 mg/kg	Buturon.	< 0,005 mg/kg	Carbaryl.	< 0,005 mg/kg	Carbendazim	< 0,010 mg/kg
Daminozide	< 0,010 mg/kg	Carboxin.	< 0,005 mg/kg	Clothianidin	< 0,010 mg/kg	Cyprodinil.	< 0,005 mg/kg
Desmethy-pirimicarb.	< 0,005 mg/kg	Demeton O & S.	< 0,010 mg/kg	Demeton-s/Demeton-o	< 0,010 mg/kg	Demeton-S-methyl-sulfon.	< 0,010 mg/kg
Dimethachlor.	< 0,01 mg/kg	Difenoconazole	< 0,010 mg/kg	Difenoconazole.	< 0,005 mg/kg	Dimethuron.	< 0,005 mg/kg
Diniconazole.	< 0,01 mg/kg	Dimethenamid-P.	< 0,005 mg/kg	Dimethirimol.	< 0,01 mg/kg	Dimethomorph (E + Z)	< 0,010 mg/kg
DMST.	< 0,010 mg/kg	Diphenamid.	< 0,01 mg/kg	Dipropetryn.	< 0,01 mg/kg	Disulfoton-sulfone.	< 0,01 mg/kg
Ethiofencarb sulfone.	< 0,01 mg/kg	Dodine.	< 0,01 mg/kg	Epoxiconazole.	< 0,01 mg/kg	Etaconazole.	< 0,01 mg/kg
Ethoxyquin.	< 0,01 mg/kg	Ethiofencarb.	< 0,010 mg/kg	Ethiprole.	< 0,01 mg/kg	Ethirimol.	< 0,01 mg/kg
Fenamiphos.	< 0,01 mg/kg	Fenamidone.	< 0,01 mg/kg	Fenamiphos sulphone.	< 0,01 mg/kg	Fenamiphos sulphoxide.	< 0,01 mg/kg
Fenobucarb.	< 0,01 mg/kg	Fenbuconazol	< 0,005 mg/kg	Fenfuram.	< 0,01 mg/kg	Fenhexamid.	< 0,01 mg/kg
Fenthion-sulfoxide.	< 0,01 mg/kg	Fenpropimorph.	< 0,01 mg/kg	Fenpyroximat	< 0,005 mg/kg	Fensulfothion.	< 0,01 mg/kg
Florasulam.	< 0,010 mg/kg	Fenuron	< 0,01 mg/kg	Flamprop-methyl.	< 0,01 mg/kg	Flonicamid.	< 0,010 mg/kg
Fluoxastrobin	< 0,005 mg/kg	Fluazifop	< 0,010 mg/kg	Flufenacet.	< 0,01 mg/kg	Fluopicolide	< 0,010 mg/kg
Foramsulfuron.	< 0,01 mg/kg	Fluquinconazole.	< 0,01 mg/kg	Flusilazole.	< 0,01 mg/kg	Flutriafol.	< 0,010 mg/kg
Halofenozide.	< 0,01 mg/kg	Fosthiazate.	< 0,01 mg/kg	Fuberidazole.	< 0,01 mg/kg	Furalaxyl.	< 0,01 mg/kg
Imazail.	< 0,01 mg/kg	Haloxyfop including haloxyfop	< 0,005 mg/kg	Hexythiazox	< 0,005 mg/kg	Hymexazole.	< 0,01 mg/kg
Iprovalicarb.	< 0,01 mg/kg	Imidacloprid.	< 0,01 mg/kg	Indoxacarb	< 0,005 mg/kg	Iprobenphos.	< 0,01 mg/kg
Isoprocab.	< 0,01 mg/kg	Isazophos.	< 0,01 mg/kg	Isocarbafos.	< 0,010 mg/kg	Isofenphos-methyl.	< 0,01 mg/kg
Kresoxym-methyl	< 0,010 mg/kg	Isoproturon	< 0,010 mg/kg	Isoproturon.	< 0,010 mg/kg	Isouron.	< 0,01 mg/kg
Mecarbam	< 0,010 mg/kg	Lenacil.	< 0,01 mg/kg	Linuron.	< 0,010 mg/kg	Malaaxon.	< 0,01 mg/kg
Metamitron.	< 0,01 mg/kg	Mefenacet.	< 0,01 mg/kg	Mephosfolan.	< 0,01 mg/kg	Metalaxyl.	< 0,010 mg/kg
Methamidophos.	< 0,010 mg/kg	Metasystox I	< 0,005 mg/kg	Metconazole.	< 0,010 mg/kg	Methabenzthiazuron.	< 0,010 mg/kg
Methoprene	< 0,010 mg/kg	Methidathion.	< 0,010 mg/kg	Methiocarb.	< 0,010 mg/kg	Methomyl	< 0,005 mg/kg
Metobromuron.	< 0,010 mg/kg	Methoprene.	< 0,010 mg/kg	Methoprotryne.	< 0,010 mg/kg	Methoxyfenozide.	< 0,010 mg/kg
Monocrotophos.	< 0,010 mg/kg	Metoxuron	< 0,010 mg/kg	Metrafenone	< 0,010 mg/kg	Monalide	< 0,010 mg/kg
Nitenpyram.	< 0,01 mg/kg	Monolinuron	< 0,010 mg/kg	Myclobutanil.	< 0,01 mg/kg	Napropamide.	< 0,01 mg/kg
Orbencarb.	< 0,01 mg/kg	Nuairimol	< 0,01 mg/kg	Ofurace.	< 0,01 mg/kg	Omethoate.	< 0,01 mg/kg
Paclobutrazol.	< 0,01 mg/kg	Oxadixyl.	< 0,01 mg/kg	Oxamyl.	< 0,01 mg/kg	Oxydemeton-methyl.	< 0,01 mg/kg
		Paraoxon-Ethyl.	< 0,01 mg/kg	Paraoxon-methyl.	< 0,01 mg/kg	Penconazole	< 0,010 mg/kg

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Pencycuron	< 0,005 mg/kg	Pendimethalin	< 0,01 mg/kg	Phorate sulfone.	< 0,01 mg/kg Q	Phorate sulfoxide.	< 0,01 mg/kg Q
Phoxim	< 0,01 mg/kg	Pirimicarb.	< 0,010 mg/kg Q	Prochloraz.	< 0,01 mg/kg Q	Promecarb.	< 0,01 mg/kg Q
Propachlor.	< 0,01 mg/kg Q	Propamocarb.	< 0,01 mg/kg	Propoxur.	< 0,010 mg/kg Q	Propoxycarbazon sodium.	< 0,01 mg/kg Q
Prosulfocarb.	< 0,01 mg/kg Q	Pymetrozine	< 0,010 mg/kg	Pyracarbolid.	< 0,01 mg/kg	Pyraclostrobin	< 0,005 mg/kg
Pyridaben	< 0,010 mg/kg	Pyridaphenthion.	< 0,005 mg/kg	Pirimethanil	< 0,010 mg/kg	Pyriproxyfen	< 0,010 mg/kg
Quinchlorac	< 0,005 mg/kg	Quinoxifen	< 0,010 mg/kg	Spinosad A+D	< 0,010 mg/kg	Spirotetramat	< 0,010 mg/kg
Spiroxamine.	< 0,010 mg/kg Q	Sulcotrione.	< 0,010 mg/kg Q	Tebufenozide.	< 0,01 mg/kg Q	Tebuthiuron.	< 0,01 mg/kg Q
Terbumeton.	< 0,01 mg/kg Q	Tetraconazole.	< 0,01 mg/kg Q	Thiabendazole	< 0,005 mg/kg	Thiacloprid.	< 0,01 mg/kg Q
Thiamethoxam	< 0,010 mg/kg	Thiobencarb.	< 0,010 mg/kg	Thiofanox	< 0,010 mg/kg	Thiofanox-sulfone.	< 0,01 mg/kg Q
Thiofanox-sulfoxide.	< 0,01 mg/kg	Thiophanate-methyl.	< 0,01 mg/kg	Tolyfluanid	< 0,010 mg/kg	Triadimefon.	< 0,01 mg/kg Q
Triadimenol.	< 0,01 mg/kg Q	Triapenthenol.	< 0,01 mg/kg	Trichlorfon.	< 0,01 mg/kg Q	Tricyclazole.	< 0,005 mg/kg Q
Trietazine.	< 0,01 mg/kg Q	Trifloxystrobin	< 0,010 mg/kg	Triflumizole	< 0,010 mg/kg	Triforine	< 0,005 mg/kg
Trinexapac-ethyl	< 0,010 mg/kg	Triticonazole.	< 0,01 mg/kg Q	Vamidothion.	< 0,01 mg/kg Q	XMC.	< 0,01 mg/kg Q
Zoxamide.	< 0,01 mg/kg						

Q - Analysis accredited by RvA

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ANNEX

Method Descriptions

Contaminations

Pesticides GCMS

Method Description

Determination of the pesticide content ; GC-MS method

Extraction: GF Acc. NEN EN 12393/Seeds soxhlett; Clean up: own method; Analysis:

Acc. NEN EN 12393

Method Code

Own method

Pesticides LCMSMS (pos. ionisation)

Method Description

Determination of the pesticide content; LC-MS-MS (positive mode) method

Method Code

Own method

Pesticides LCMSMS (neg. ionisation)

Method Description

Determination of the pesticide content; LC-MS-MS (negative mode) method

Method Code

Own method

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