

Analytical Report

ACOPIOS DEL CENTRO SAC

Attn: To Whom it concerns

Peru

Reportnr.	: 542864 version 1	Disponent Number	: ACOCEN-0715
Product recognized as	: Quinoa/Quinoa/Quinoa	Sampling Date	: 30-Apr-2015
Product Specification	: Quinoa Blanca	Sample size (kg)	: 0,053
Reference	:	Sealed / Seal Code	: Yes / 24863
AWB / BarCode	: 773501719079	Sample Arrival Date	: 04-May-2015 12:22
Packing	: Plastic, ambient	ReportDate Version	: 06-May-2015 20:44
Sample Type	: Sample		
Disp. Remark	: Sample Received		

Contaminations

Pesticides

Parameter	Amount (A.R.)
Pesticides GCMS	1 Pesticides 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

Pesticides GCMS

Parameter	Amount (A.R.)
Cypermethrin (sum)	0,020 mg/kg 0,3 mg/kg MRL EU396/2005 Q

Requested 04-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 Q
Bitertanol.	< 0,010 mg/kg Q	Bifenox	< 0,005 mg/kg Q	Bifenthrin	< 0,010 mg/kg	Biphenyl.	< 0,01 mg/kg Q
Buprofezin	< 0,005 mg/kg Q	Bromophos-ethyl	< 0,005 mg/kg Q	Bromophos-methyl	< 0,005 mg/kg Q	Bromopropylate.	< 0,010 mg/kg
Carbophenothion.	< 0,01 mg/kg Q	Cadusafos.	< 0,01 mg/kg Q	Captafol	< 0,01 mg/kg	Captan (as THPI)	< 0,005 mg/kg Q
Chlorobenzilate	< 0,005 mg/kg Q	Chlordane-cis	< 0,005 mg/kg Q	Chlordane-trans	< 0,005 mg/kg Q	Chloridazon	< 0,005 mg/kg
Chloroneb	< 0,005 mg/kg Q	Chlorobupham	< 0,005 mg/kg Q	Chlorofenvinphos	< 0,005 mg/kg Q	Chloromephos	< 0,005 mg/kg Q
Chlorpropham	< 0,005 mg/kg Q	Chloropyriphos-ethyl.	< 0,010 mg/kg	Chloropyriphos-methyl.	< 0,010 mg/kg	Chlorothalonil	< 0,005 mg/kg Q
Cyanofenphos	< 0,005 mg/kg Q	Chlorthiophos.	< 0,010 mg/kg	Coumaphos	< 0,005 mg/kg Q	Cyanazine	< 0,005 mg/kg Q
Cyhalothrin (Lambda)	< 0,010 mg/kg Q	Cyfluthrin I	< 0,010 mg/kg Q	Cyfluthrin II	< 0,010 mg/kg Q	Cyfluthrin III	< 0,010 mg/kg Q
Dichlobenil	< 0,005 mg/kg	Deltamethrin	< 0,010 mg/kg	Diallate	< 0,005 mg/kg Q	Diazinon	< 0,005 mg/kg Q
Dicrotophos	< 0,005 mg/kg	Dichlofluaniid	< 0,005 mg/kg Q	Dichlorvos	< 0,005 mg/kg Q	Dicofol	< 0,010 mg/kg
Disulfoton.	< 0,010 mg/kg	Dieldrin	< 0,005 mg/kg Q	Dimethoate	< 0,005 mg/kg Q	Diphenylamine	< 0,005 mg/kg Q
Endrin	< 0,005 mg/kg Q	Endosulfan-a	< 0,005 mg/kg Q	Endosulfan-β	< 0,005 mg/kg Q	Endosulfansulphate	< 0,005 mg/kg Q
Etrifos	< 0,005 mg/kg Q	EPN	< 0,005 mg/kg Q	Ethion	< 0,005 mg/kg Q	Ethoprosfos	< 0,005 mg/kg Q
Fenothrin.	< 0,010 mg/kg Q	Famoxadone.	< 0,010 mg/kg	Fenarimol	< 0,005 mg/kg Q	Fenitrothion.	< 0,010 mg/kg
Fenvaleraat (es)	< 0,010 mg/kg Q	Fenoxycarb.	< 0,010 mg/kg	Fenpropathrin.	< 0,010 mg/kg Q	Fenthion	< 0,005 mg/kg Q
Fonofos.	< 0,01 mg/kg	Flucythrinate.	< 0,01 mg/kg	Fluvalinate.	< 0,01 mg/kg	Folpet.	< 0,010 mg/kg
HCH-y	< 0,005 mg/kg Q	HCH-a	< 0,005 mg/kg Q	HCH-d	< 0,005 mg/kg Q	HCH-β	< 0,005 mg/kg Q
Heptenophos	< 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
Isodrin	< 0,005 mg/kg Q	Hexachlorobenzene (HCB)	< 0,005 mg/kg Q	Hexazinone	< 0,005 mg/kg Q	Iprodione.	< 0,01 mg/kg
Methoxychlor	< 0,005 mg/kg Q	Malathion.	< 0,010 mg/kg	Metazachloor	< 0,005 mg/kg Q	Metholachlor.	< 0,010 mg/kg Q
o,p-DDD	< 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
p,p-DDD	< 0,005 mg/kg Q	o,p-DDE	< 0,005 mg/kg Q	o,p-DDT	< 0,005 mg/kg Q	p,p-DDD	< 0,005 mg/kg Q
Pentachlorobenzene	< 0,005 mg/kg	p,p-DDT	< 0,005 mg/kg Q	Parathion-ethyl	< 0,005 mg/kg Q	Parathion-methyl.	< 0,010 mg/kg Q
Phenylphenol,2-	< 0,010 mg/kg	Permethrin I	< 0,010 mg/kg Q	Permethrin II	< 0,010 mg/kg Q	Phenthoate	< 0,010 mg/kg Q
Phosphamidon (E + Z)	< 0,005 mg/kg Q	Phorate	< 0,010 mg/kg	Phosalone	< 0,005 mg/kg Q	Phosmet.	< 0,01 mg/kg
Procymidon	< 0,005 mg/kg Q	Piperonylbutoxide.	< 0,010 mg/kg	Pirimiphos-ethyl	< 0,005 mg/kg Q	Pirimiphos-methyl.	< 0,010 mg/kg
Propazine	< 0,005 mg/kg Q	Profenophos	< 0,005 mg/kg Q	Prometryn	< 0,005 mg/kg Q	Propargite	< 0,010 mg/kg Q
Pyrifenox	< 0,005 mg/kg Q	Propham	< 0,005 mg/kg Q	Propiconazole	< 0,005 mg/kg Q	Propyzamide	< 0,005 mg/kg Q
Tebuconazol	< 0,010 mg/kg Q	Quintozeen	< 0,005 mg/kg	Simazine	< 0,005 mg/kg Q	Sulfotepp	< 0,005 mg/kg Q
Tetradifon	< 0,005 mg/kg Q	Tecnazene	< 0,005 mg/kg Q	Terbufos	< 0,010 mg/kg	Terbutryn	< 0,005 mg/kg Q
Toxaphen (sum)	< 0,005 mg/kg	Tetramethrin	< 0,01 mg/kg	Thiometon	< 0,005 mg/kg Q	Tolclofos-methyl	< 0,010 mg/kg
Triallate	< 0,005 mg/kg Q	Toxaphen P26	< 0,005 mg/kg	Toxaphen P50	< 0,005 mg/kg	Toxaphen P62	< 0,005 mg/kg
		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	Acinathrin	< 0,010 mg/kg
Cythioate.	< 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
		DNOC	< 0,010 mg/kg Q	Fenpiclonil.	< 0,010 mg/kg Q	Fipronil.	< 0,005 mg/kg

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Reference :
AWB / BarCode : **773501719079**
Packing : **Plastic, ambient**
Sample Type : **Sample**
Sampling Date : **30-Apr-2015**
Samplesize (kg) : **0,053**
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Fluazinam.	< 0,010 mg/kg	Flubendiamide	< 0,010 mg/kg	Q Flucycloxuron (E+Z).	< 0,010 mg/kg	Q Fludioxinil.	< 0,010 mg/kg
Flufenoxuron.	< 0,010 mg/kg	Q Fluomethuron.	< 0,010 mg/kg	Q Flutolanil.	< 0,010 mg/kg	Q Hexaconazole.	< 0,010 mg/kg
Hexaflumuron.	< 0,010 mg/kg	Q Imazamethabenz-methyl.	< 0,010 mg/kg	Q Isoxaflutole.	< 0,010 mg/kg	Q Lufenuron.	< 0,010 mg/kg
MCPA.	< 0,010 mg/kg	Q MCPB	< 0,010 mg/kg	Q Mecoprop	< 0,010 mg/kg	Q Mepronil.	< 0,010 mg/kg
Monuron.	< 0,010 mg/kg	Q Neburon.	< 0,010 mg/kg	Q Norflurazon.	< 0,010 mg/kg	Q Noviflumuron.	< 0,010 mg/kg
Picolinafen.	< 0,010 mg/kg	Q Propanil.	< 0,010 mg/kg	Q Prothioconazole.	< 0,010 mg/kg	Q Silthiofam.	< 0,010 mg/kg
Sulfosulfuron	< 0,010 mg/kg	Q Teflubenzuron.	< 0,010 mg/kg	Q Terbacil.	< 0,010 mg/kg	Q Triasulfuron.	< 0,010 mg/kg
Triflumuron.	< 0,010 mg/kg	Q Triflusaluron-methyl.	< 0,010 mg/kg				

Pesticides LCMSMS (pos. ionisation)

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