



GLOBAL CONTROL

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**Person in charge** Mr. P. Welgehausen

**ASM** Mr. P. Welgehausen

Report date 22.03.2023

Page 1/2

## Analytical report AR-23-FJ-006046-01



**Sample Code** 716-2023-00006923

**Reference** Organic Red Quinoa  
 Batch: QU-0566-2022  
 PO: PC007945-01

**Sample sender**

**Reception date time** 17.03.2023  
**Transport by** FedEx 771536589531  
**Packaging** plastic bag  
**Number** 1  
**Amount** 1011 g  
**Input temperature** Room temperature  
**Start analysis** 17/03/2023  
**End analysis** 21/03/2023

### Test results

#### Physical-chemical Analysis

##### SP992 Pesticide-Screening Quechers GC-MS/MS

Method DIN EN 15662:2018 mod., SPF-14.141, GC-MS/MS  
 Subcontracted to a Eurofins laboratory accredited for this test.

Screened pesticides	Not Detected
---------------------	--------------

##### SP991 Pesticide-Screening Quechers LC-MS/MS

Method DIN EN 15662:2018 mod., LC-MS/MS  
 Subcontracted to a Eurofins laboratory accredited for this test.

Screened pesticides	Not Detected
---------------------	--------------

### JUDGEMENT

All information regarding the sample (except those recorded on site or at sample registration by Eurofins) have been provided from client side.  
 This information can have an impact on the validity of the analytical results.

The results of examinations refer exclusively to the sample in this report and as received from the customer.

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Eurofins Global Control GmbH · Am Neuländer Gewerbepark 2 · D-21079 Hamburg

Place of execution and place of jurisdiction is Hamburg - lower district court Hamburg HRB107194 General Manager: Dr. Alexander Zahm

VAT No.: DE264544990

Hypovereinsbank 7000002000 [BLZ 20730017] IBAN DE45 2073 0017 7000 0020 00 / SWIFT/BAY HYVEDEMME17

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ISO 9001:2015



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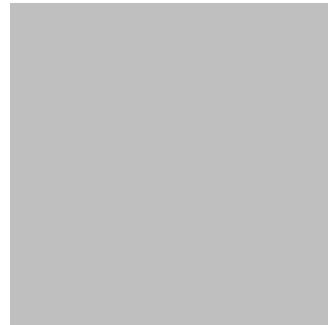
**Analytical report** AR-23-FJ-006046-01  
**Sample Code** 716-2023-00006923

The results of the above mentioned analyses are in accordance with the requirements of Regulation (EC) 396/2005 (regulation on maximum residue levels of pesticides in or on food and feed) in its currently valid version.

With respect to the results of the above mentioned analyses, samples of the same quality which carry the organic label can therefore be traded likewise as long as they comply with the requirements of Regulation (EU) 2018/848 on organic production and labelling of organic products in conjunction with implementing Regulation (EU) 2021/1165 and its amendments.

Signature

Analytical Service Manager (Paul Welgehausen)



All information regarding the sample (except those recorded on site or at sample registration by Eurofins) have been provided from client side.  
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ISO 9001:2015



**ORGANIC RED QUINOA**

**BATCH : QU-0566-2022  
PO : PC007945-01**

**WEIGHT: 1000 G**

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**006923**

716-2023-00006923

T: kein Termin

## Global Control

**Legend**

CAS

The CAS Registry Number is a unique identifier assigned by the Chemical Abstracts Service to chemical substances.

RL

Reporting limit.

**PSP8H-2****Pesticidescreening LC/GC in cereals**

<b>Applied on</b>	Barley, Buckwheat, Green spelt, Millet, Oats (grain), Rice, Rye, Sorghum, Spelt, Teff, Triticale, Wheat (grain)		
<b>Content (see appendix)</b>	SP991-8 (XA) SP992-6 (XA) XP001-1 (XA)	Pesticide-Screening Quechers LC-MS/MS Pesticide-Screening Quechers GC-MS/MS Extraction "QuEChERS"	LC-MS/MS GC-MS/MS Preparation

03/02/2023

## Appendix

SP991-8 (XA) Pesticide-Screening Quechers LC-MS/MS			
<b>Aim</b>	to provide a quick and cheap method to screen residues in fresh fruits and vegetables		
<b>Technique</b>	LC-MS/MS		
<b>Method</b>	The procedure involves initial single-phase extraction of 10 g sample with 10 mL acetonitrile, followed by liquid-liquid partitioning formed by addition of Magnesium Sulfate plus Sodium Chloride. Removal of residual water and cleanup are performed simultaneously by using a rapid procedure called dispersive solid phase extraction (dispersive SPE), in which Magnesium Sulfate and primary secondary amine (PSA) sorbent are simply mixed with 1 mL acetonitrile extract. The dispersive SPE with PSA removes many polar matrix components such as organic acids, certain polar pigments and sugars to some extent from the food extracts. Liquid Chromatography applying tandem MS detection is then used for qualitative and quantitative determination of LC-amenable pesticides.		
<b>Method reference</b>	DIN EN 15662:2018 mod.		
<b>Method reference deviation</b>	Automated sample processing with ultrasonic extraction		
<b>Applied on</b>	Barley, Buckwheat, Green spelt, Millet, Oats (grain), Rice, Rye, Sorghum, Spelt, Teff, Triticale, Wheat (grain)		
<b>Laboratory</b>	Eurofins Dr. Specht Express GmbH	(XA) DIN EN ISO/IEC 17025:2018 DAkkS D-PL-20879-02-00	
Parameters	Parameter	CAS	RL
	2,4,5-T	93-76-5	0.010 mg/kg
	2,4'-Formoxylidid (Amitraz Metabolite)	60397-77-5	0.010 mg/kg
	2,6-Dichlorobenzamide	2008-58-4	0.010 mg/kg
	2-Naphthoxyacetic acid	120-23-0	0.010 mg/kg
	3-Hydroxycarbofuran	16655-82-6	0.0010 mg/kg
	4-Bromo-2-Chlorophenol	3964-56-5	0.010 mg/kg
	4-Bromophenylurea	1967-25-5	0.010 mg/kg
	4-CPA	122-88-3	0.010 mg/kg
	6-Benzyladenine	1214-39-7	0.010 mg/kg
	Acephate	30560-19-1	0.010 mg/kg
	Acetamiprid	135410-20-7	0.010 mg/kg
	Acetochlor	34256-82-1	0.010 mg/kg
	Acibenzolar-s-methyl	135158-54-2	0.010 mg/kg
	Acrinathrin	101007-06-1	0.010 mg/kg
	Alanycarb	83130-01-2	0.010 mg/kg
	Aldicarb (sum)		
	Aldicarb-sulfone	1646-88-4	0.010 mg/kg
	Ametoctradin	865318-97-4	0.010 mg/kg
	Aminocarb	2032-59-9	0.010 mg/kg
	Amisulbrom	348635-87-0	0.010 mg/kg
	Amitraz	33089-61-1	0.010 mg/kg
	Amitraz (sum)		
	Anilofos	64249-01-0	0.010 mg/kg
	Anthraquinone	84-65-1	0.010 mg/kg
	Atrazin, desisopropyl-	1007-28-9	0.010 mg/kg
	Atrazine	1912-24-9	0.010 mg/kg
	Azaconazole	60207-31-0	0.010 mg/kg
	Azinphos-methyl	86-50-0	0.010 mg/kg
	Azocyclotin	41083-11-8	0.010 mg/kg
	Azoxystrobin	131860-33-8	0.010 mg/kg
	Benalaxyloxypropyl including other mixtures of constituent isomers including benalaxyloxypropyl (sum of isomers)	71626-11-4	0.010 mg/kg

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Bendiocarb	22781-23-3	0.010 mg/kg
Benodanil	15310-01-7	0.010 mg/kg
Benoxacor	98730-04-2	0.010 mg/kg
Bensulide	741-58-2	0.010 mg/kg
Bentazone	25057-89-0	0.010 mg/kg
Benthiavalicarb, isopropyl-	177406-68-7	0.010 mg/kg
Benzoximate	29104-30-1	0.010 mg/kg
Bifenazate	149877-41-8	0.010 mg/kg
Bitertanol	55179-31-2	0.010 mg/kg
Bixafen	581809-46-3	0.010 mg/kg
Boscalid	188425-85-6	0.010 mg/kg
Bromoxynil	1689-84-5	0.010 mg/kg
Bromoconazole (Sum)		0.010 mg/kg
Bromoconazole, cis-		0.010 mg/kg
Bromoconazole, trans-	116255-48-2	0.010 mg/kg
BTS 27271	33089-74-6	0.010 mg/kg
BTS 44595	139520-94-8	0.010 mg/kg
BTS 44596	139542-32-8	0.010 mg/kg
Bupirimate	41483-43-6	0.010 mg/kg
Buprofezin	69327-76-0	0.010 mg/kg
Butocarboxim-sulfoxide	34681-24-8	0.010 mg/kg
Buturon	3766-60-7	0.010 mg/kg
Carbaryl	63-25-2	0.010 mg/kg
Carbendazim	10605-21-7	0.0050 mg/kg
Carbendazim/Benomyl (sum)		0.0050 mg/kg
Carbetamide	16118-49-3	0.010 mg/kg
Carbofuran	1563-66-2	0.0010 mg/kg
Carbofuran (sum)		0.0010 mg/kg
Carbosulfan	55285-14-8	0.010 mg/kg
Carboxin	5234-68-4	0.010 mg/kg
Carfentrazone-ethyl	128639-02-1	0.010 mg/kg
Carpropamid	104030-54-8	0.010 mg/kg
Chlorantraniliprole	500008-45-7	0.010 mg/kg
Chlorbromuron	13360-45-7	0.010 mg/kg
Chlorbufam	1967-16-4	0.010 mg/kg
Chloremphenthrin	54407-47-5	0.010 mg/kg
Chlorfluazuron	71422-67-8	0.010 mg/kg
Chlorotoluron	15545-48-9	0.010 mg/kg
Chloroxuron	1982-47-4	0.010 mg/kg
Chlorpropham	101-21-3	0.010 mg/kg
Chlorpyrifos (-ethyl)	2921-88-2	0.010 mg/kg
Chlorpyrifos-methyl	5598-13-0	0.010 mg/kg
Cinidon-ethyl	142891-20-1	0.010 mg/kg
Clefoxydim	139001-49-3	0.010 mg/kg
Clethodim	99129-21-2	0.010 mg/kg
Clethodim/Sethoxydim (Sum)		0.010 mg/kg
Climbazole	38083-17-9	0.010 mg/kg
Clofentezine	74115-24-5	0.010 mg/kg
Clomazone	81777-89-1	0.010 mg/kg
Cloprop	101-10-0	0.010 mg/kg
Clothianidin	210880-92-5	0.010 mg/kg
Coumaphos	56-72-4	0.010 mg/kg
Coumoxystrobin	850881-70-8	0.010 mg/kg
Crimidine	535-89-7	0.010 mg/kg
Cyanofenphos	13067-93-1	0.010 mg/kg
Cyantraniliprole	736994-63-1	0.010 mg/kg
Cyazofamid	120116-88-3	0.010 mg/kg
Cycloate	1134-23-2	0.010 mg/kg
Cycloxydim	101205-02-1	0.010 mg/kg
Cyflumetofen	400882-07-7	0.010 mg/kg
Cyhalodiamide	1262605-53-7	0.010 mg/kg
Cyhexatin	13121-70-5	0.010 mg/kg
Cyhexatin/Azocyclotin (Sum)		0.010 mg/kg
Cymoxanil	57966-95-7	0.010 mg/kg
Cyproconazole	94361-06-5	0.010 mg/kg

03/02/2023

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Cyprodinil	121552-61-2	0.010 mg/kg
Dazomet	533-74-4	0.010 mg/kg
Demeton-S-methyl-sulfone	17040-19-6	0.010 mg/kg
Desmedipham	13684-56-5	0.010 mg/kg
Diafenthiuron	80060-09-9	0.010 mg/kg
Diallate	2303-16-4	0.010 mg/kg
Diazinon	333-41-5	0.010 mg/kg
Dichlofenthion	97-17-6	0.010 mg/kg
Dichlormid	37764-25-3	0.010 mg/kg
Dichlorprop	120-36-5	0.010 mg/kg
Dicrotophos	141-66-2	0.010 mg/kg
Diethofencarb	87130-20-9	0.010 mg/kg
Diethyltoluamide	134-62-3	0.010 mg/kg
Difenacoum	56073-07-5	0.010 mg/kg
Difenoconazole	119446-68-3	0.010 mg/kg
Difenoxyuron	14214-32-5	0.010 mg/kg
Diflubenzuron	35367-38-5	0.010 mg/kg
Diflufenican	83164-33-4	0.010 mg/kg
Dimefox	115-26-4	0.010 mg/kg
Dimepiperate	61432-55-1	0.010 mg/kg
Dimethachlor	50563-36-5	0.010 mg/kg
Dimethenamid including other mixtures of constituent isomers including dimethenamid-P (sum of isomers)	87674-68-8	0.010 mg/kg
Dimethoate	60-51-5	0.010 mg/kg
Dimethomorph	110488-70-5	0.010 mg/kg
Dimetilan	644-64-4	0.010 mg/kg
Dimoxystrobin	149961-52-4	0.010 mg/kg
Diniconazole	83657-24-3	0.010 mg/kg
Dinoseb	88-85-7	0.010 mg/kg
Dinoterb	1420-07-1	0.010 mg/kg
Dioxacarb	6988-21-2	0.010 mg/kg
Diphenamid	957-51-7	0.010 mg/kg
Disulfoton	298-04-4	0.010 mg/kg
Disulfoton (sum)		
Disulfoton-sulfon	2497-06-5	0.010 mg/kg
Disulfoton-sulfoxide	2497-07-6	0.010 mg/kg
Diuron	330-54-1	0.010 mg/kg
Dodemorf	1593-77-7	0.010 mg/kg
Dodine	2439-10-3	0.010 mg/kg
Emamectin	119791-41-2	0.010 mg/kg
Enestroburin	238410-11-2	0.010 mg/kg
EPN	2104-64-5	0.010 mg/kg
Epoxiconazole	133855-98-8	0.010 mg/kg
EPTC	759-94-4	0.010 mg/kg
Ethiofencarb	29973-13-5	0.010 mg/kg
Ethiofencarb (sum)		
Ethiofencarb-sulfone	53380-23-7	0.010 mg/kg
Ethiofencarb-sulfoxide	53380-22-6	0.010 mg/kg
Ethion	563-12-2	0.010 mg/kg
Ethiprole	181587-01-9	0.010 mg/kg
Ethirimol	23947-60-6	0.010 mg/kg
Ethofumesate	26225-79-6	0.010 mg/kg
Ethoprophos	13194-48-4	0.010 mg/kg
Ethoxyquin	91-53-2	0.010 mg/kg
Ethychlorate	27512-72-7	0.010 mg/kg
Etofenprox	80844-07-1	0.010 mg/kg
Fenamidone	161326-34-7	0.010 mg/kg
Fenaminstrobin	366815-39-6	0.010 mg/kg
Fenamiphos	22224-92-6	0.010 mg/kg
Fenamiphos (sum)		
Fenamiphos-sulfone	31972-44-8	0.010 mg/kg
Fenamiphos-sulfoxide	31972-43-7	0.010 mg/kg
Fenarimol	60168-88-9	0.010 mg/kg

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Fenazaquin	120928-09-8	0.010 mg/kg
Fenbuconazole (sum of constituent enantiomers)	114369-43-6	0.010 mg/kg
Fenbutatin oxide	13356-08-6	0.010 mg/kg
Fenhexamid	126833-17-8	0.010 mg/kg
Fenobucarb	3766-81-2	0.010 mg/kg
Fenoprop	93-72-1	0.010 mg/kg
Fenoxyprop-P	113158-40-0	0.010 mg/kg
Fenoxy carb	72490-01-8	0.010 mg/kg
Fenpiclonil	74738-17-3	0.010 mg/kg
Fenpropidin	67306-00-7	0.010 mg/kg
Fenpropimorph	67564-91-4	0.010 mg/kg
Fenpyrazamine	473798-59-3	0.010 mg/kg
Fenpyroximate	134098-61-6	0.010 mg/kg
Fensulfothion	115-90-2	0.010 mg/kg
Fenthion	55-38-9	0.010 mg/kg
Fenthion (sum)		
Fenthion-oxon	6552-12-1	0.010 mg/kg
Fenthion-oxon-sulfone	14086-35-2	0.010 mg/kg
Fenthion-oxon-sulfoxide	6552-13-2	0.010 mg/kg
Fenthion-sulfone	3761-42-0	0.010 mg/kg
Fenthion-sulfoxide	3761-41-9	0.010 mg/kg
Fentin (including its salts)		
Fipronil	120068-37-3	0.0050 mg/kg
Fipronil (sum)		
Fipronil, desulfinyl-	205650-65-3	0.010 mg/kg
Fipronil-sulfide	120067-83-6	0.0050 mg/kg
Fipronil-sulfone	120068-36-2	0.0050 mg/kg
Fluazifop (Sum)		
Fluazifop-P	83066-88-0	0.010 mg/kg
Fluazifop-P-butyl	79241-46-6	0.010 mg/kg
Fluazinam	79622-59-6	0.010 mg/kg
Flauazuron	86811-58-7	0.010 mg/kg
Flubendiamide	272451-65-7	0.010 mg/kg
Flucycloxuron	113036-88-7	0.010 mg/kg
Fludioxonil	131341-86-1	0.010 mg/kg
Flufenacet	142459-58-3	0.010 mg/kg
Flufenoxuron	101463-69-8	0.010 mg/kg
Flufenzine	162320-67-4	0.010 mg/kg
Fluometuron	2164-17-2	0.010 mg/kg
Fluopicolid	239110-15-7	0.010 mg/kg
Fluopyram	658066-35-4	0.010 mg/kg
Fluoxastrobin	361377-29-9	0.010 mg/kg
Flupyradifurone	951659-40-8	0.010 mg/kg
Flupyrimin	1689566-03-7	0.010 mg/kg
Furochloridone	61213-25-0	0.010 mg/kg
Fluoxypyrr	69377-81-7	0.010 mg/kg
Fluoxypyrr (Sum)		
Fluoxypyrr-Methylheptyl	81406-37-3	0.010 mg/kg
Flurprimidol	56425-91-3	0.010 mg/kg
Flurtamone	96525-23-4	0.010 mg/kg
Flusilazole	85509-19-9	0.010 mg/kg
Fluthiacet-methyl	117337-19-6	0.010 mg/kg
Flutianil	958647-10-4	0.010 mg/kg
Flutolanil	66332-96-5	0.010 mg/kg
Flutriafol	76674-21-0	0.010 mg/kg
Fluxapyroxad	907204-31-3	0.010 mg/kg
FM-6-1 (metabolite triflumizole)		
Fomesafen	72178-02-0	0.010 mg/kg
Forchlorfenuron	68157-60-8	0.010 mg/kg
Formetanate	22259-30-9	0.010 mg/kg
Fosthiazate	98886-44-3	0.010 mg/kg
Fuberidazole	3878-19-1	0.010 mg/kg
Furalaxy	57646-30-7	0.010 mg/kg
Furametylpr	123572-88-3	0.010 mg/kg

03/02/2023

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Furathiocarb	65907-30-4	0.010 mg/kg
Haloxyfop	69806-34-4	0.010 mg/kg
Heptenophos	23560-59-0	0.010 mg/kg
Hexaconazole	79983-71-4	0.010 mg/kg
Hexaflumuron	86479-06-3	0.010 mg/kg
Hexazinone	51235-04-2	0.010 mg/kg
Hexythiazox (any ratio of constituent isomers)	78587-05-0	0.010 mg/kg
Icaridin	119515-38-7	0.010 mg/kg
Imazalil (any ratio of constituent isomers)	35554-44-0	0.010 mg/kg
Imazapyr	81334-34-1	0.010 mg/kg
Imazaquin	81335-37-7	0.010 mg/kg
Imazethapyr	81335-77-5	0.010 mg/kg
Imibenconazole	86598-92-7	0.010 mg/kg
Imidacloprid	138261-41-3	0.010 mg/kg
Indaziflam	950782-86-2	0.010 mg/kg
Indoxacarb (sum, R+S isomers)	144171-61-9	0.010 mg/kg
Iodosulfuron methyl	144550-06-1	0.010 mg/kg
loxynil	1689-83-4	0.010 mg/kg
Iprodione	36734-19-7	0.010 mg/kg
Iprovalicarb	140923-17-7	0.010 mg/kg
Isazophos	42509-80-8	0.010 mg/kg
Isofenphos	25311-71-1	0.010 mg/kg
Isofenphos-methyl	99675-03-3	0.010 mg/kg
Isoprocarb	2631-40-5	0.010 mg/kg
Isoprothiolane	50512-35-1	0.010 mg/kg
Isoproturon	34123-59-6	0.010 mg/kg
Isopyrazam	881685-58-1	0.010 mg/kg
Isouron	55861-78-4	0.010 mg/kg
Isoxaben	82558-50-7	0.010 mg/kg
Isoxaflutole	141112-29-0	0.010 mg/kg
Karanjin	521-88-0	0.010 mg/kg
Kresoxim-methyl	143390-89-0	0.010 mg/kg
Lenacil	2164-08-1	0.010 mg/kg
Linuron	330-55-2	0.010 mg/kg
Lufenuron	103055-07-8	0.010 mg/kg
Malaoxon	1634-78-2	0.010 mg/kg
Malathion	121-75-5	0.010 mg/kg
Malathion/Malaoxon (sum)		
Mandipropamid (any ratio of constituent isomers)	374726-62-2	0.010 mg/kg
MCPA	94-74-6	0.010 mg/kg
MCPA/MCPB (sum)		
MCPB	94-81-5	0.010 mg/kg
Mecoprop	7085-19-0	0.010 mg/kg
Mepanipyrim	110235-47-7	0.010 mg/kg
Metaflumizone (sum of E- and Z-isomers)	139968-49-3	0.010 mg/kg
Metalaxy	57837-19-1	0.010 mg/kg
Metalaxy/Metalaxy-M (sum)		
Metamitron	41394-05-2	0.010 mg/kg
Metconazole	125116-23-6	0.010 mg/kg
Methabenzthiazuron	18691-97-9	0.010 mg/kg
Methacrifos	62610-77-9	0.010 mg/kg
Methamidophos	10265-92-6	0.020 mg/kg
Methiocarb	2032-65-7	0.010 mg/kg
Methiocarb (sum)		
Methiocarb-sulfone	2179-25-1	0.010 mg/kg
Methiocarb-sulfoxide	2635-10-1	0.010 mg/kg
Methomyl	16752-77-5	0.010 mg/kg
Methomyl/Thiodicarb (sum)		
Methoxyfenozide	161050-58-4	0.010 mg/kg
Metobromuron	3060-89-7	0.010 mg/kg
Metolachlor	51218-45-2	0.010 mg/kg

03/02/2023

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Metolcarb	1129-41-5	0.010 mg/kg
Metosulam	139528-85-1	0.010 mg/kg
Metoxuron	19937-59-8	0.010 mg/kg
Metribuzin	21087-64-9	0.010 mg/kg
Molinate	2212-67-1	0.010 mg/kg
Monocrotophos	6923-22-4	0.010 mg/kg
Monolinuron	1746-81-2	0.010 mg/kg
Monuron	150-68-5	0.010 mg/kg
Myclobutanil (sum of constituent isomers)	88671-89-0	0.010 mg/kg
Napropamide	15299-99-7	0.010 mg/kg
Neburon	555-37-3	0.010 mg/kg
Nicosulfuron	111991-09-4	0.010 mg/kg
Novaluron	116714-46-6	0.010 mg/kg
Noviflumuron	121451-02-3	0.010 mg/kg
Nuarimol	63284-71-9	0.010 mg/kg
Ofurace	58810-48-3	0.010 mg/kg
Omethoate	1113-02-6	0.010 mg/kg
Orysastrobin	248593-16-0	0.010 mg/kg
Oryzalin	19044-88-3	0.010 mg/kg
Other screened pesticides		
Oxadiazon	19666-30-9	0.010 mg/kg
Oxadixyl	77732-09-3	0.010 mg/kg
Oxamyl	23135-22-0	0.010 mg/kg
Oxamyl-oxime	30558-43-1	0.010 mg/kg
Oxaziclofone	153197-14-9	0.010 mg/kg
Oxfendazole	53716-50-0	0.010 mg/kg
Oxycarboxin	5259-88-1	0.010 mg/kg
Paclobutrazol	76738-62-0	0.010 mg/kg
Paraoxon-ethyl	311-45-5	0.010 mg/kg
Paraoxon-methyl	950-35-6	0.010 mg/kg
Pebulate	1114-71-2	0.010 mg/kg
Penconazole (sum of constituent isomers)	66246-88-6	0.010 mg/kg
Pencycuron	66063-05-6	0.010 mg/kg
Pendimethalin	40487-42-1	0.010 mg/kg
Penflufen	494793-67-8	0.010 mg/kg
Penoxsulam	219714-96-2	0.010 mg/kg
Pentachlorophenol	87-86-5	0.010 mg/kg
Pentanochlor	2307-68-8	0.010 mg/kg
Penthiopyrad	183675-82-3	0.010 mg/kg
Pethoxamid	106700-29-2	0.010 mg/kg
Phenmedipharm	13684-63-4	0.010 mg/kg
Phenthroate	2597-03-7	0.010 mg/kg
Phorate	298-02-2	0.010 mg/kg
Phorate (sum)		
Phorate-sulfone	2588-04-7	0.010 mg/kg
Phorate-sulfoxide	2588-03-6	0.010 mg/kg
Phosalone	2310-17-0	0.010 mg/kg
Phosmet	732-11-6	0.010 mg/kg
Phosmet (Sum)		
Phosmet-oxon	3735-33-9	0.010 mg/kg
Phosphamidon	13171-21-6	0.010 mg/kg
Phoxim	14816-18-3	0.010 mg/kg
Pinoxaden	243973-20-8	0.010 mg/kg
Piperonyl butoxide	51-03-6	0.010 mg/kg
Pirimicarb	23103-98-2	0.010 mg/kg
Pirimicarb (Sum)		
Pirimicarb, desmethyl-	30614-22-3	0.010 mg/kg
Pirimicarb, desmethyl-formamido-	27218-04-8	0.010 mg/kg
Pirimiphos-methyl	29232-93-7	0.010 mg/kg
Prochloraz	67747-09-5	0.010 mg/kg
Prochloraz (sum)		
Procymidone	32809-16-8	0.010 mg/kg

03/02/2023

# Global Control

Profenofos	41198-08-7	0.010 mg/kg
Promecarb	2631-37-0	0.010 mg/kg
Prometon	1610-18-0	0.010 mg/kg
Propamocarb (Sum of propamocarb and its salts, expressed as propamocarb)	24579-73-5	0.010 mg/kg
Propanil	709-98-8	0.010 mg/kg
Propaqizafop	111479-05-1	0.010 mg/kg
Propargite	2312-35-8	0.010 mg/kg
Propham	122-42-9	0.010 mg/kg
Propiconazole (sum of isomers)	60207-90-1	0.010 mg/kg
Propoxur	114-26-1	0.010 mg/kg
Propoxycarbazone/Propoxycarbon-2-hydroxy (Sum)		
Propoxycarbazone-2-hydroxy	496925-02-1	0.010 mg/kg
Propoxycarbazone	145026-81-9	0.010 mg/kg
Propyzamide	23950-58-5	0.010 mg/kg
Prosulfocarb	52888-80-9	0.010 mg/kg
Prothioconazole	178928-70-6	0.010 mg/kg
Prothioconazole-desthio	120983-64-4	0.010 mg/kg
Pymetrozine	123312-89-0	0.010 mg/kg
Pyraclostrobin	175013-18-0	0.010 mg/kg
Pyraflufen, desethyl-		
Pyraflufen-ethyl	129630-19-9	0.010 mg/kg
Pyraflufen-ethyl (sum)		
Pyrametostrobin	915410-70-7	0.010 mg/kg
Pyraoxystrobin	862588-11-2	0.010 mg/kg
Pyrasulfotole	365400-11-9	0.010 mg/kg
Pyribencarb	799247-52-2	0.010 mg/kg
Pyridaben	96489-71-3	0.010 mg/kg
Pyridate	55512-33-9	0.010 mg/kg
Pyrifluquinazon	337458-27-2	0.010 mg/kg
Pyrimethanil	53112-28-0	0.010 mg/kg
Pyrimidifen	105779-78-0	0.010 mg/kg
Pyriminostrobin	1257598-43-8	0.010 mg/kg
Pyriofenone	688046-61-9	0.010 mg/kg
Pyriproxyfen	95737-68-1	0.010 mg/kg
Pyrisoxazole	847749-37-5	0.010 mg/kg
Pyroxulam	422556-08-9	0.010 mg/kg
Quinclorac	84087-01-4	0.010 mg/kg
Quinmerac	90717-03-6	0.010 mg/kg
Quinooclamine	2797-51-5	0.010 mg/kg
Quinoxifen	124495-18-7	0.010 mg/kg
Quizalofop	76578-12-6	0.010 mg/kg
Quizalofop-P-ethyl	100646-51-3	0.010 mg/kg
Quizalofop-P-tefuryl	119738-06-6	0.010 mg/kg
Resmethrin	10453-86-8	0.010 mg/kg
Rimsulfuron	122931-48-0	0.010 mg/kg
Rotenone	83-79-4	0.010 mg/kg
Safufenacil	372137-35-4	0.010 mg/kg
Sedaxan		
Sedaxane, cis-	599194-51-1	0.010 mg/kg
Sedaxane, trans-	599197-38-3	0.010 mg/kg
Sethoxydim	74051-80-2	0.010 mg/kg
Silafluofen	105024-66-6	0.010 mg/kg
Simazine	122-34-9	0.010 mg/kg
Simeconazole	149508-90-7	0.010 mg/kg
Simetryn	1014-70-6	0.010 mg/kg
Spinetoram (sum)	935545-74-7	0.010 mg/kg
Spinosyn A	131929-60-7	0.010 mg/kg
Spinosyn D	131929-63-0	0.010 mg/kg
Spirodiclofen	148477-71-8	0.010 mg/kg
Spirotetramat	203313-25-1	0.010 mg/kg
Spirotetramate (Sum)		
Spirotetramat-enol	203312-38-3	0.010 mg/kg

03/02/2023

# Global Control

Spirotetramat-ketohydroxy	1172134-11-0	0.010 mg/kg
Spirotetramat-monohydroxy	1172134-12-1	0.010 mg/kg
Spiroxamine	118134-30-8	0.010 mg/kg
Sulfentrazone	122836-35-5	0.010 mg/kg
Sulfotep	3689-24-5	0.010 mg/kg
Sulfoxaflor	946578-00-3	0.010 mg/kg
Sulprofos-sulfoxide	34643-47-5	0.010 mg/kg
Tebuconazole	107534-96-3	0.010 mg/kg
Tebufenozide	112410-23-8	0.010 mg/kg
Tebufenpyrad	119168-77-3	0.010 mg/kg
Tebuflouquin	376645-78-2	0.010 mg/kg
Teflubenzuron	83121-18-0	0.010 mg/kg
Tepraloxydin	149979-41-9	0.010 mg/kg
Terbacil	5902-51-2	0.010 mg/kg
Terbufos	13071-79-9	0.010 mg/kg
Terbufos-sulfone	56070-16-7	0.010 mg/kg
Terbufos-sulfoxide	10548-10-4	0.010 mg/kg
Terbumeton	33693-04-8	0.010 mg/kg
Terbutylazine	5915-41-3	0.010 mg/kg
Tetraconazole	112281-77-3	0.010 mg/kg
Thiabendazole	148-79-8	0.010 mg/kg
Thiacloprid	111988-49-9	0.010 mg/kg
Thiamethoxam	153719-23-4	0.010 mg/kg
Thiobencarb	28249-77-6	0.010 mg/kg
Thiodicarb	59669-26-0	0.010 mg/kg
Thifanox-sulfone	39184-59-3	0.010 mg/kg
Thifanox-sulfoxide	39184-27-5	0.010 mg/kg
Thiophanate-methyl	23564-05-8	0.0050 mg/kg
Tolclofos-methyl	57018-04-9	0.010 mg/kg
Tolfenpyrad	129558-76-5	0.010 mg/kg
Tralkoxydim	87820-88-0	0.010 mg/kg
Triadimefon	43121-43-3	0.010 mg/kg
Triadimenol	55219-65-3	0.010 mg/kg
Triasulfuron	82097-50-5	0.010 mg/kg
Triazophos	24017-47-8	0.010 mg/kg
Triclopyr	55335-06-3	0.010 mg/kg
Triclopyricarb	902760-40-1	0.010 mg/kg
Tricyclazole	41814-78-2	0.010 mg/kg
Tridemorph	81412-43-3	0.010 mg/kg
Trifloxystrobin	141517-21-7	0.010 mg/kg
Triflumizol/FM-6-1 (Sum)		
Triflumizole	99387-89-0	0.010 mg/kg
Triflumuron	64628-44-0	0.010 mg/kg
Triflusulfuron-methyl	126535-15-7	0.010 mg/kg
Triforine	26644-46-2	0.010 mg/kg
Trimethacarb, 3,4,5-	2686-99-9	0.010 mg/kg
Triticonazole	131983-72-7	0.010 mg/kg
Valifenalate	283159-90-0	0.010 mg/kg
Vamidothion	2275-23-2	0.010 mg/kg
Vamidothion (sum)		
Vamidothion-sulfone	70898-34-9	0.010 mg/kg
Vamidothion-sulfoxide	20300-00-9	0.010 mg/kg
XMC	2655-14-3	0.010 mg/kg
Xylylcarb	2425-10-7	0.010 mg/kg
Zoxamide	156052-68-5	0.010 mg/kg
Screened pesticides		

**SP992-6 (XA)**
**Pesticide-Screening Quechers GC-MS/MS**

<b>Aim</b>	to provide a quick and cheap method to screen residues in cereal
<b>Technique</b>	GC-MS/MS

03/02/2023

# Global Control

<b>Method</b>	The procedure involves initial single-phase extraction of 5 g sample with 10 mL acetonitrile, followed by liquid-liquid partitioning formed by addition of Magnesium Sulfate plus Sodium Chloride. Removal of residual water and cleanup are performed simultaneously by using a rapid procedure called dispersive solid phase extraction (dispersive SPE), in which Magnesium Sulfate and primary secondary amine (PSA) sorbent are simply mixed with 1 mL acetonitrile extract. The dispersive SPE with PSA removes many polar matrix components such as organic acids, certain polar pigments and sugars to some extent from the food extracts. Acetonitrile is evaporated and the remainder is dissolved in Acetic Acid Ester / Cyclohexane. Gas Chromatography/Mass Spectrometry (GC-MS) is then used for qualitative and quantitative determination of GC-amenable pesticides.		
<b>Method reference</b>	DIN EN 15662:2018 mod.		
<b>Method reference deviation</b>	Automated sample processing with ultrasonic extraction		
<b>Applied on</b>	Barley, Buckwheat, Green spelt, Millet, Oats (grain), Rice, Rye, Sorghum, Teff, Triticale, Wheat (grain)		
<b>Laboratory</b>	Eurofins Dr. Specht Express GmbH	(XA) DIN EN ISO/IEC 17025:2018 DAkkS D-PL-20879-02-00	
<b>Parameters</b>	<b>Parameter</b>	<b>CAS</b>	<b>RL</b>
	2,6-Dichlorobenzamide	2008-58-4	0.010 mg/kg
	Acetochlor	34256-82-1	0.010 mg/kg
	Aclonifen	74070-46-5	0.010 mg/kg
	Alachlor	15972-60-8	0.010 mg/kg
	Aldrin	309-00-2	0.010 mg/kg
	Allethrin	584-79-2	0.010 mg/kg
	Ametryn	834-12-8	0.010 mg/kg
	Atrazin, desethyl-	6190-65-4	0.010 mg/kg
	Atrazine	1912-24-9	0.010 mg/kg
	Azaconazole	60207-31-0	0.010 mg/kg
	Azinphos-ethyl	2642-71-9	0.010 mg/kg
	Azoxystrobin	131860-33-8	0.010 mg/kg
	Benalaxyl including other mixtures of constituent isomers including benalaxyl-M (sum of isomers)	71626-11-4	0.010 mg/kg
	Benfluralin	1861-40-1	0.010 mg/kg
	Bifenthrin	82657-04-3	0.010 mg/kg
	Biphenyl	92-52-4	0.010 mg/kg
	Boscalid	188425-85-6	0.010 mg/kg
	Bromacil	314-40-9	0.010 mg/kg
	Bromocyclen	1715-40-8	0.010 mg/kg
	Bromophos-ethyl	4824-78-6	0.010 mg/kg
	Bromophos-methyl	2104-96-3	0.010 mg/kg
	Bromopropylate	18181-80-1	0.010 mg/kg
	Butachlor	23184-66-9	0.010 mg/kg
	Butafenacil	134605-64-4	0.010 mg/kg
	Captan/THPI (Sum calculated as Captan)		
	Carbophenothion	786-19-6	0.010 mg/kg
	Carbophenothion-methyl	953-17-3	0.010 mg/kg
	Chlordane (total)		
	Chlordane, cis-	5103-71-9	0.010 mg/kg
	Chlordane, trans-	5103-74-2	0.010 mg/kg
	Chlorfenapyr	122453-73-0	0.010 mg/kg
	Chlorfenvinphos	470-90-6	0.010 mg/kg
	Chlorothalonil	1897-45-6	0.010 mg/kg
	Chlorpyrifos (-ethyl)	2921-88-2	0.010 mg/kg
	Chlorpyrifos-methyl	5598-13-0	0.010 mg/kg
	Chlorthal-dimethyl	1861-32-1	0.010 mg/kg
	Chlozolinate	84332-86-5	0.010 mg/kg
	Clodinafop-propargyl	105512-06-9	0.010 mg/kg
	Clomazone	81777-89-1	0.010 mg/kg
	Cloquintocet-mexyl	99607-70-2	0.010 mg/kg
	Cyflufenamid	180409-60-3	0.010 mg/kg

03/02/2023

# Global Control

Cyfluthrin	68359-37-5	0.010 mg/kg
Cyhalodiame	1262605-53-7	0.010 mg/kg
Cyhalothrin, lambda-(incl.	91465-08-6	0.010 mg/kg
Cyhalothrin, gamma-)		
Cypermethrin (sum of isomers)	52315-07-8	0.010 mg/kg
Cyprodinil	121552-61-2	0.010 mg/kg
DDD, o,p-	53-19-0	0.010 mg/kg
DDD, p,p'	72-54-8	0.010 mg/kg
DDE, o,p-	3424-82-6	0.010 mg/kg
DDE, p,p'	72-55-9	0.010 mg/kg
DDT (total)		
DDT, o,p'	789-02-6	0.010 mg/kg
DDT, p,p'	50-29-3	0.010 mg/kg
Deltamethrin	52918-63-5	0.010 mg/kg
Desmetyl	1014-69-3	0.010 mg/kg
Diazinon	333-41-5	0.010 mg/kg
Dichlobenil	1194-65-6	0.010 mg/kg
Dichlofuanid	1085-98-9	0.010 mg/kg
Dichlorvos	62-73-7	0.010 mg/kg
Diclobutrazol	75736-33-3	0.010 mg/kg
Dicloran	99-30-9	0.010 mg/kg
Dicofol (sum)		
Dicofol, o,p-	10606-46-9	0.010 mg/kg
Dicofol, p,p-	115-32-2	0.010 mg/kg
Diflufenican	83164-33-4	0.010 mg/kg
Dimethenamid including other mixtures of constituent isomers including dimethenamid-P (sum of isomers)	87674-68-8	0.010 mg/kg
Dimoxystrobin	149961-52-4	0.010 mg/kg
Diphenylamine	122-39-4	0.010 mg/kg
Endosulfan (total)		
Endosulfan sulphate	1031-07-8	0.010 mg/kg
Endosulfan, alpha-	959-98-8	0.010 mg/kg
Endosulfan, beta-	33213-65-9	0.010 mg/kg
Endrin	72-20-8	0.010 mg/kg
Etaconazole	60207-93-4	0.010 mg/kg
Ethion	563-12-2	0.010 mg/kg
Ethofumesat (Sum)		
Etoxazole	153233-91-1	0.010 mg/kg
Etridiazole	2593-15-9	0.010 mg/kg
Etrimfos	38260-54-7	0.010 mg/kg
Famoxadone	131807-57-3	0.010 mg/kg
Fenamidone	161326-34-7	0.010 mg/kg
Fenarimol	60168-88-9	0.010 mg/kg
Fenfluthrin	75867-00-4	0.010 mg/kg
Fenitrothion	122-14-5	0.010 mg/kg
Fenpropathrin	39515-41-8	0.010 mg/kg
Fenson	80-38-6	0.010 mg/kg
Fenthion	55-38-9	0.010 mg/kg
Fenvalerate (all isomers including Esfenvalerate)		
Fenvalerate (RR-/SS-Isomers)		0.010 mg/kg
Fenvalerate (RS-/SR-Isomers)		0.010 mg/kg
Fipronil	120068-37-3	0.010 mg/kg
Fipronil (sum)		
Fipronil-sulfone	120068-36-2	0.010 mg/kg
Flamprop-methyl	52756-25-9	0.010 mg/kg
Fluazolate	174514-07-9	0.010 mg/kg
Flucythrinate	70124-77-5	0.010 mg/kg
Flumioxazin	103361-09-7	0.010 mg/kg
Fluotrimazole	31251-03-3	0.010 mg/kg
Flupyrimin	1689566-03-7	0.010 mg/kg
Fluvalinate (sum of isomers)	69409-94-5	0.010 mg/kg
Formothion	2540-82-1	0.010 mg/kg
Furathiocarb	65907-30-4	0.010 mg/kg

03/02/2023

# Global Control

HCH isomers (without lindane)		
HCH, alpha-	319-84-6	0.010 mg/kg
HCH, beta-	319-85-7	0.010 mg/kg
HCH, delta-	319-86-8	0.010 mg/kg
HCH, epsilon-	6108-10-7	0.010 mg/kg
Heptachlor	76-44-8	0.010 mg/kg
Heptachlor (sum)		
Heptachlor epoxide, cis-	1024-57-3	0.010 mg/kg
Heptachlor epoxide, trans-	28044-83-9	0.010 mg/kg
Hexachlorobenzene (HCB)	118-74-1	0.010 mg/kg
Iprobenfos	26087-47-8	0.010 mg/kg
Isocarbofos	24353-61-5	0.010 mg/kg
Isofenphos	25311-71-1	0.010 mg/kg
Isofenphos-methyl	99675-03-3	0.010 mg/kg
Isoprothiolane	50512-35-1	0.010 mg/kg
Isoxadifen-ethyl	163520-33-0	0.010 mg/kg
Lindane (gamma-HCH)	58-89-9	0.010 mg/kg
Malathion	121-75-5	0.010 mg/kg
Mandestrobin	173662-97-0	0.010 mg/kg
Mecarbam	2595-54-2	0.010 mg/kg
Mefenpyr-diethyl	135590-91-9	0.010 mg/kg
Mepronil	55814-41-0	0.010 mg/kg
Metazachlor	67129-08-2	0.010 mg/kg
Metconazole, trans-	115850-28-7	0.010 mg/kg
Methoxychlor	72-43-5	0.010 mg/kg
Metolachlor	51218-45-2	0.010 mg/kg
Metrafenone	220899-03-6	0.010 mg/kg
Metribuzin	21087-64-9	0.010 mg/kg
Mevinphos	7786-34-7	0.010 mg/kg
Napropamide	15299-99-7	0.010 mg/kg
Nitrapyrin	1929-82-4	0.010 mg/kg
Nitrofen	1836-75-5	0.010 mg/kg
Nitrothal-isopropyl	10552-74-6	0.010 mg/kg
Norflurazon	27314-13-2	0.010 mg/kg
Other screened pesticides		
Oxyfluorfen	42874-03-3	0.010 mg/kg
Paclbutrazol	76738-62-0	0.010 mg/kg
Parathion-ethyl	56-38-2	0.010 mg/kg
Parathion-methyl	298-00-0	0.010 mg/kg
Pebulate	1114-71-2	0.010 mg/kg
Pentachloroaniline	527-20-8	0.010 mg/kg
Pentachloroanisole	1825-21-4	0.010 mg/kg
Permethrin (sum of isomers)	52645-53-1	0.010 mg/kg
Phenkaptone	2275-14-1	0.010 mg/kg
Phenthroate	2597-03-7	0.010 mg/kg
Phosphamidon	13171-21-6	0.010 mg/kg
Picolinafen	137641-05-5	0.010 mg/kg
Picoxystrobin	117428-22-5	0.010 mg/kg
Piperonyl butoxide	51-03-6	0.010 mg/kg
Pirimiphos-ethyl	23505-41-1	0.010 mg/kg
Pirimiphos-methyl	29232-93-7	0.0020 mg/kg
Procymidone	32809-16-8	0.010 mg/kg
Prometryn	7287-19-6	0.010 mg/kg
Propazine	139-40-2	0.010 mg/kg
Propetamphos	31218-83-4	0.010 mg/kg
Propyzamide	23950-58-5	0.010 mg/kg
Prothiofos	34643-46-4	0.010 mg/kg
Pyrazophos	13457-18-6	0.010 mg/kg
Pyridalyl	179101-81-6	0.010 mg/kg
Pyridaphenthion	119-12-0	0.010 mg/kg
Pyrimethanil	53112-28-0	0.010 mg/kg
Quinalphos	13593-03-8	0.010 mg/kg
Quintozene	82-68-8	0.010 mg/kg
Quintozene (sum)		
Quizalofop-P-ethyl	100646-51-3	0.010 mg/kg

03/02/2023

# Global Control

S 421	127-90-2	0.010 mg/kg
Screened pesticides		
Sebutylazine	7286-69-3	0.010 mg/kg
Sedaxane	874967-67-6	0.010 mg/kg
Silafluofen	105024-66-6	0.010 mg/kg
Silthiofam	175217-20-6	0.010 mg/kg
Simazine	122-34-9	0.010 mg/kg
Sulprofos	35400-43-2	0.010 mg/kg
Tecnazene	117-18-0	0.010 mg/kg
Tefluthrin	79538-32-2	0.010 mg/kg
Terbacil	5902-51-2	0.010 mg/kg
Terbufos	13071-79-9	0.010 mg/kg
Terbutylazine	5915-41-3	0.010 mg/kg
Terbutylazine, desethyl-	30125-63-4	0.010 mg/kg
Terbutryn	886-50-0	0.010 mg/kg
Tetrachlorvinphos	22248-79-9	0.010 mg/kg
Tetradifon	116-29-0	0.010 mg/kg
Tetramethrin	7696-12-0	0.010 mg/kg
Tolyfluanid (Sum)		
Transfluthrin	118712-89-3	0.010 mg/kg
Triallate	2303-17-5	0.010 mg/kg
Triazamate	112143-82-5	0.010 mg/kg
Triazophos	24017-47-8	0.010 mg/kg
Trifloxystrobin	141517-21-7	0.010 mg/kg
Trifluralin	1582-09-8	0.010 mg/kg
Triticonazole	131983-72-7	0.010 mg/kg
Uniconazole	83657-22-1	0.010 mg/kg
Vinclozolin	50471-44-8	0.010 mg/kg

**XP001-1 (XA)**
**Extraction "QuEChERS"**

<b>Aim</b>	Created as a necessary extraction module in addition to QuEChERs tests for fresh and dried food.		
<b>Technique</b>	Preparation		
<b>Method</b>	Extraction of sample with Acetonitrile, solid phase cleanup		
<b>Method reference</b>	DIN EN 15662:2018		
<b>Applied on</b>	Food / Feed		
<b>Laboratory</b>	Eurofins Dr. Specht Express GmbH	(XA) DIN EN ISO/IEC 17025:2018 DAkkS D-PL-20879-02-00	
<b>Parameters</b>	<b>Parameter</b>	<b>CAS</b>	<b>RL</b>
	Weighted sample		

03/02/2023