

Report: P2014104760
Sample:

Client:

Order: 62/2014
Sample receipt: 13.02.2014
Services completed: 13.02.2014 - 20.02.2014
Sampling: by sender
Sample transport: by sender
Sample storage until: 15.05.2014
Date of Sampling:

Page: 1 of 1

Hamburg, 20 February 2014

TURKEY

Results

Sample identification

Article: Organic Bulgur
Quantity: 500g

Information: Date: 10.02.2014; Product Name: BULGUR; Product Code: Bulgur/2014-11/2014-12/2014-13/2014-14

Pesticides

Method: Scope of substances and methods: GALAB Pesticides 500Plus® BNN with phenoxy carboxylic acids, dated 01 Nov 2012

| Parameter | Content | Unit | LOQ |
|------------------|---------|------|-----|
| GALAB Pesticides | n.d. | - | - |

Validation: tradeable

Compliance with maximum residue limits regarding the parameters analyzed.

Compliance with the requirements of the BNN orientation values for pesticide residues regarding the parameters analyzed.

The legal evaluation was carried out according to European regulations the LFGB and the legal regulations following this law. The evaluation of the sample is also based on the European guide "Document Sanco 12495/2011".

The results and the validation are exclusively related to the tested sample.

n.d. = not detectable, all values are below the limit of quantification (LOQ)

For any further questions please contact your customer service representative: Cenk Celik

F. Aydin (Staatlich geprüfte Lebensmittelchemikerin)

This report was issued electronically and released and is valid without a signature. This report shall not be reproduced in part without the express written consent of GALAB Laboratories GmbH.

| | | | | | |
|-------------------------------------------------------------|------|----------------------------------------|------|--------------------------------------|------|
| Lufenuron ¹ | 0,01 | Phosalon ² | 0,01 | Terbumeton ¹ | 0,01 |
| Malaoxon ^{1,2} | 0,01 | Phosfolan ² | 0,01 | Terbutylazin ^{1,2} | 0,01 |
| Malathion ^{1,2} | 0,01 | Phosmet ^{1,2} | 0,01 | Terbutryn ¹ | 0,01 |
| Malathion (Summenparameter)* | 0,01 | Phosmet (Summenparameter)* | 0,01 | Tetrachlorvinphos ² | 0,01 |
| Mandipropamid ¹ | 0,01 | Phosmet Oxon ^{1,2} | 0,01 | Tetraconazol ¹ | 0,01 |
| Mecarbam ^{1,2} | 0,01 | Phosphamidon ^{1,2} | 0,01 | Tetradifon ² | 0,01 |
| Mefenpyr-diethyl ^{1,2} | 0,01 | Phoxim ¹ | 0,01 | Tetramethrin ^{2,3} | 0,01 |
| Mepanipyrim ^{1,2} | 0,01 | Picolinafen ² | 0,01 | Tetrasul ² | 0,01 |
| Mepanipyrim (Summenparameter)* | 0,01 | Picoxystrobin ^{1,2} | 0,01 | Thiabendazol ¹ | 0,01 |
| Mephosfolan ^{1,2} | 0,01 | Piperonylbutoxid ^{1,2} | 0,01 | Thiabendazol (Summenparameter)* | 0,01 |
| Mepronil ¹ | 0,01 | Piperophos ² | 0,01 | Thiacloprid ¹ | 0,01 |
| Merphos ² | 0,01 | Pirimicarb ^{1,2} | 0,01 | Thiamethoxam ¹ | 0,01 |
| Metaflumizon (Summe von E- und Z-Isomeren) ^{1,0,1} | 0,01 | Pirimicarb (Summenparameter)* | 0,01 | Thiamethoxam (Summenparameter)* | 0,01 |
| Metaxyl (Summen der Isomeren) ^{1,2} | 0,01 | Pirimicarb, Desmethyl- ¹ | 0,01 | Thiabendazol-Methyl ¹ | 0,01 |
| Metamitron ¹ | 0,01 | Pirimiphos-Ethyl ² | 0,01 | Thiodicarb ¹ | 0,01 |
| Metazachlor ¹ | 0,01 | Pirimiphos-Methyl ^{1,2} | 0,01 | Thiofanox ¹ | 0,01 |
| Metconazol ¹ | 0,01 | Plifenat ² | 0,01 | Thiofanox-sulfon ¹ | 0,01 |
| Methabenzthiazuron ¹ | 0,01 | Prochloraz ¹ | 0,01 | Thiofanox-sulfoxid ¹ | 0,01 |
| Methacryfos ² | 0,01 | Prochloraz (Summenparameter)* | 0,01 | Thiometon ^{1,2} | 0,01 |
| Methamidophos ¹ | 0,01 | Procymidon ² | 0,01 | Thionazin ² | 0,01 |
| Methidathion ^{1,2} | 0,01 | Profenofos ² | 0,01 | Thiophanat-Methyl ¹ | 0,01 |
| Methomyl ¹ | 0,01 | Profluralin ² | 0,01 | Tiocardbazil ^{1,2} | 0,01 |
| Methomyl (Summenparameter)* | 0,01 | Profoxydim ¹ | 0,01 | Tolclofos-Methyl ² | 0,01 |
| Methoprotryn ^{1,2} | 0,01 | Promecarb ¹ | 0,01 | Tolfenpyrad ¹ | 0,01 |
| Methoxychlor ² | 0,01 | Prometon ^{1,2} | 0,01 | Tolyfluand ² | 0,01 |
| Methoxyfenozid ¹ | 0,01 | Prometryn ¹ | 0,01 | Tolyfluand (Summenparameter)* | 0,01 |
| Metobromuron ¹ | 0,01 | Propachlor ¹ | 0,01 | Transfluthrin ^{2,3} | 0,01 |
| Metolachlor (Summe der Isomeren) ^{1,2} | 0,01 | Propachlor (Summenparameter)* | 0,01 | Triadimefon ^{1,2} | 0,01 |
| Metolcarb ¹ | 0,01 | Propamocarb ¹ | 0,01 | Triadimefon/ Triadimenol* | 0,01 |
| Metoxuron ¹ | 0,01 | Propanil ² | 0,01 | Triadimenol ^{1,2} | 0,01 |
| Metrafenon ² | 0,01 | Propaquizafop ¹ | 0,01 | Triallat ^{1,2} | 0,01 |
| Metribuzin ^{1,2} | 0,01 | Propargit ^{1,2} | 0,01 | Triamiphos ^{1,2} | 0,01 |
| Metsulfuron-Methyl ¹ | 0,01 | Propazin ¹ | 0,01 | Triasulfuron ¹ | 0,01 |
| Mevinphos (Summe der E- und Z-Isomeren) ² | 0,01 | Propetamphos ^{1,2} | 0,01 | Triazamat ^{1,2} | 0,01 |
| Mirex ² | 0,01 | Propam ^{1,2} | 0,01 | Triazophos ^{1,2} | 0,01 |
| Molinat ^{1,2} | 0,01 | Propiconazol ^{1,2} | 0,01 | Tribenuron-Methyl ¹ | 0,01 |
| Monocrotophos ^{1,2} | 0,01 | Propoxur ¹ | 0,01 | Trichlorfon ¹ | 0,01 |
| Monolinuron ¹ | 0,01 | Proquinazid ^{1,2} | 0,01 | Trichloronat ² | 0,01 |
| Monuron ¹ | 0,01 | Prosulfocarb ¹ | 0,01 | Tricyclazol ¹ | 0,01 |
| Myclobutanil ² | 0,01 | Prosulfuron ¹ | 0,01 | Tridemorph ¹ | 0,01 |
| | | Prothiophos ² | 0,01 | Trietazin ² | 0,01 |
| N, O | | Pyraclostrobin ¹ | 0,01 | Trifloxystrobin ^{1,2} | 0,01 |
| Naled ¹ | 0,01 | Pyraflufen-Ethyl ² | 0,01 | Triflumizol ^{1,2} | 0,01 |
| Napropamid ¹ | 0,01 | Pyrazophos ^{1,2} | 0,01 | Triflumizol (Summenparameter)* | 0,01 |
| Neburon ¹ | 0,01 | Pyrethrin I+II ³ | 0,01 | Triflurothion ¹ | 0,01 |
| Nicosulfuron ¹ | 0,01 | Pyrethrine (Summenparameter)* | 0,01 | Trifluralin ² | 0,01 |
| Nitenpyram ¹ | 0,01 | Pyridaben ¹ | 0,01 | Triflurosulfuron-Methyl ¹ | 0,01 |
| Nitralin ² | 0,01 | Pyridalyl ^{1,2} | 0,01 | Triticonazol ¹ | 0,01 |
| Nitrapyrin ² | 0,01 | Pyridaphenthion ¹ | 0,01 | | |
| Nitrofen ² | 0,01 | Pyridat ¹ | 0,01 | U,...,Z | |
| Nitrothial-Isopropyl ² | 0,01 | Pyridat (Summenparameter)* | 0,01 | Uniconazol ¹ | 0,01 |
| Norflurazon ¹ | 0,01 | Pyrioxen ² | 0,01 | Valifenalat ² | 0,01 |
| Novaluron ¹ | 0,01 | Pyrimethanil ^{1,2} | 0,01 | Vamidothion ¹ | 0,01 |
| Nuarimol ^{1,2} | 0,01 | Pyriproxyfen ^{1,2} | 0,01 | Vinclozolin ² | 0,01 |
| Ofurac ¹ | 0,01 | | | Vinclozolin (Summenparameter)* | 0,01 |
| Omethoat ¹ | 0,01 | O, R, S | | Zoxamid ^{1,2} | 0,01 |
| Oxadiazon ¹ | 0,01 | Quinalphos ¹ | 0,01 | | |
| Oxadixyl ^{1,2} | 0,01 | Quinmerac ¹ | 0,01 | | |
| Oxamyl ¹ | 0,01 | Quinoxifen ¹ | 0,01 | | |
| Oxychloridan ^{2,3} | 0,01 | Quintozen ² | 0,01 | | |
| Oxydemeton-Methyl ¹ | 0,01 | Quintozen (Summenparameter)* | 0,01 | | |
| Oxydemeton-Methyl (Summenparameter)* | 0,01 | Rabenzazol ¹ | 0,01 | | |
| Oxyfluorfen ² | 0,01 | Rimsulfuron ¹ | 0,01 | | |
| | | Rotenon ¹ | 0,01 | | |
| P | | Sebutylazin ¹ | 0,01 | | |
| Pacllobutrazol ^{1,2} | 0,01 | Sethoxydim ^{1,2} | 0,01 | | |
| Paraoxon ¹ | 0,01 | Sethoxydim (Summenparameter)* | 0,01 | | |
| Paraoxon-Methyl ¹ | 0,01 | Silaneophan (Silafloufen) ² | 0,01 | | |
| Parathion ² | 0,01 | Silthiofam ^{1,2} | 0,01 | | |
| Parathion-Methyl ² | 0,01 | Simazin ¹ | 0,01 | | |
| Parathion-Methyl (Summenparameter)* | 0,01 | Spinosad (Summenparameter)* | 0,01 | | |
| PCB 101 ² | 0,01 | Spinosyn A ¹ | 0,01 | | |
| PCB 118 ² | 0,01 | Spinosyn D ¹ | 0,01 | | |
| PCB 138 ² | 0,01 | Spirodiclofen ¹ | 0,01 | | |
| PCB 153 ² | 0,01 | Spiromesifen ^{1,2} | 0,01 | | |
| PCB 180 ² | 0,01 | Spirotetramat ¹ | 0,01 | | |
| PCB 28 ² | 0,01 | Spirotetramat (Summenparameter)* | 0,01 | | |
| PCB 52 ² | 0,01 | Spiroxamin ^{1,2} | 0,01 | | |
| Pebulat ^{1,2} | 0,01 | Sulfentrazon ¹ | 0,01 | | |
| Penconazol ¹ | 0,01 | Sulfosulfuron ¹ | 0,01 | | |
| Pencycuron ¹ | 0,01 | Sulfotep ^{1,2} | 0,01 | | |
| Pendimethalin ¹ | 0,01 | Sulprofos ² | 0,01 | | |
| Pentachloranilin ² | 0,01 | Sweep ^{1,2} | 0,01 | | |
| Pentachloranisole ² | 0,01 | | | | |
| Pentachlorbenzol ² | 0,01 | T | | | |
| Pentanochlor ² | 0,01 | Tau-Fluvalinat ^{2,3} | 0,01 | | |
| Permethrin (Summe der Isomeren) ^{2,3} | 0,01 | Tebuconazol ^{1,2} | 0,01 | | |
| Perthan ² | 0,01 | Tebufenozid ¹ | 0,01 | | |
| Pethoxamid ² | 0,01 | Tebufenpyrad ^{1,2} | 0,01 | | |
| Phenmedipham ¹ | 0,01 | Tebupirimphos ^{1,2} | 0,01 | | |
| Phenothrin ² | 0,01 | Tebutam ¹ | 0,01 | | |
| Phenthoat ^{1,2} | 0,01 | Teflubenzuron ¹ | 0,01 | | |
| Phenylphenol, ortho- ² | 0,01 | Tefluthrin ^{2,3} | 0,01 | | |
| Phorat ^{1,2} | 0,01 | Tembotriol ^{1,2} | 0,01 | | |
| Phorat (Summenparameter)* | 0,01 | Temphos ^{1,2} | 0,01 | | |
| Phorat-sulfon ¹ | 0,01 | Tepraloxymid ¹ | 0,01 | | |
| Phorat-sulfoxid ¹ | 0,01 | Terbacil ^{1,2} | 0,01 | | |
| | | Terbufos ¹ | 0,01 | | |

Methodik:

Multimethode in Anlehnung an ASU §64 LFGB L 00.00-115 (LC-MS/MS, GC-MS/MS, GC-NCI)

Messsystem

¹LC-MS/MS
²GC-MSD/GC-MS/MS
³GC-NCI

* berechnet

Zusatzuntersuchungen:

(nicht in GALAB 500Plus BNN enthalten)

Dithiocarbamate, BG 0,01 mg/kg, gem. ASU §64 LFGB L 00.00-49/2

Gesamtbromid, BG 1 mg/kg, gem. ASU §64 LFGB L 00.00-36/2

Chlormequat/ Mepiquat, BG je 0,01 mg/kg, mittels LC-MS/MS

Ethephon, BG 0,01mg/kg, mittels GC-MS

Nitrat, BG 2 mg/kg, gem. ASU §64 LFGB L 26.00-1

Sulfit, BG 10 mg/kg, gem. ASU §64 LFGB L 00.00-46/1

Fosethyl-AI, BG 0,1 mg/kg, mittels GC-MS

Saure Herbizide, BG 0,01 mg/kg, GC-NCI

2,4,5-T

2,4-D

2,4-D (Summenparameter)*

2,4-DB

2,4-DP (Dichlorprop)

4-CPA

Clopyralid

Dicamba

Fenoprop

Fluroxypyr

Fluroxypyr (Summenparameter)*

Haloxypol

Haloxypol (Summenparameter)*

MCPA

MCPA (Summenparameter)*

MCPB

Mecoprop (Summe der Isomeren)

Quinclorac

Quizalofop (Summe der Isomeren)

BAC/DDAC Einzelmethode, BG 0,01 mg/kg, LC-

MS/MS

BAC(Sum)

BAC-10

BAC-12

BAC-14

BAC-16

DDAC