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Test Report Serial No: 1441-4686 EN	Date: 2020/11/07
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Test Laboratory Information*

Name and Address of Laboratory: *****

*The location where the test was carried out if different from the address of Farogh Life Sciences Research Laboratory.

Client Information

Name and Address of Client: ~~Farogh Life Sciences Company, Industrial city, Ghazvin, Iran~~

Test Item Information

Description of the test Item: Saffron

Test/Tests Requested: Pesticide

Date of receipt of test item/items:

Brand Name: ~~Farogh Life Sciences~~

Lot Number:

Batch Number: 3375

Production Date: 2020/11

Expiry Date: 2023/11

Kind of Package: Carton Box Drum Others Please Specify:

Sampling Information

Sampling Date: 2020/11/07

Time of Sampling: *****

Sampling Organization: ~~Farogh Life Sciences~~

Sampling Person: ~~Farogh Life Sciences~~

Sampling Location: ~~Farogh Life Sciences~~

Sampling Procedure: 3659 Iran Standard

Saffron Company

Environmental Conditions At the time of Sampling : *****

Specified Information Declared by Client

Net Weight: 5kg

No of Packages: *****

Test & Result Information

Date of performance of test item/items: 2020/11/07

Laboratory Serial No:

410519-020

Test Description:

Test method

GC/MS

Multi-Residue methods for the chromatographic determination of pesticides

EN 15662:2008


LC/MS/MS

Item	Test Item	Final Result µg / kg (ppb)	ISIRI MRL µg / kg (ppb) **	LOQ µg / kg (ppb)	LOD µg / kg (ppb)	Note
1	2,4,5,6-Tetrachloro-m-xylene	< 40	50*	40	14	****
2	Alachlor	< 40	50*	40	14	****
3	Aldrin-R	< 40	50*	40	14	****
4	Atrazine	< 40	50*	40	14	****
5	Azinphos-ethyl	< 40	50*	40	14	****
6	Azoxystrobin	< 40	50*	40	14	****
7	Benalaxyl	< 40	50*	40	14	****
8	Bifenthrin	< 40	50*	40	14	****
9	Bitertanol	< 40	50*	40	14	****
10	Bromophos-methyl	< 40	50*	40	14	****
11	Bromophos-ethyl	< 40	50*	40	14	****
12	Bromopropylate	< 40	50*	40	14	****
13	Bupirimate	< 40	50*	40	14	****
14	Buprofezin	< 40	50*	40	14	****
15	Butachlor	< 40	50*	40	14	****

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Item	Test Item	Final Result µg / kg (ppb)	ISIRI MRL µg / kg (ppb)	LOQ µg / kg (ppb)	LOD µg / kg (ppb)	Note
16	Butylate	< 40	50*	40	14	****
17	Carbophenothion	< 40	50*	40	14	****
18	Chlordane-alpha	< 40	***	40	14	****
19	Chlordane-gamma	< 40	***	40	14	****
20	Chlordane-Total	< 40	50*	40	14	****
21	Chlorpropham	< 40	50*	40	14	****
22	Chlorpyrifos	< 40	50*	40	14	****
23	Chlorpyrifos-methyl	< 40	50*	40	14	****
24	Chlorthal-dimethyl	< 40	50*	40	14	****
25	Chlorthion	< 40	50*	40	14	****
26	Cyhalothrin-lambda I	< 40	***	40	14	****
27	Cyhalothrin-lambda II	< 40	***	40	14	****
28	Cyhalothrin-lambda-Total	< 40	50*	40	14	****
29	Cypermethrin-alpha I	< 40	***	40	14	****
30	Cypermethrin-alpha II	< 40	***	40	14	****
31	Cypermethrin-alpha-Total	< 40	50*	40	14	****
32	Cyprodinil	< 40	50*	40	14	****
33	DDD-O,P	< 40	***	40	14	****
34	DDD-P,P	< 40	***	40	14	****
35	DDE-O,P	< 40	***	40	14	****
36	DDE-P,P	< 40	***	40	14	****
37	DDT-P,P	< 40	***	40	14	****
38	DDT-Total	< 40	50*	40	14	****
39	Deltamethrin I	< 40	***	40	14	****
40	Deltamethrin-Total	< 40	50*	40	14	****
41	Dialifos	< 40	50*	40	14	****
42	Diazinon	< 40	50*	40	14	****
43	Dichlobenil	< 40	50*	40	14	****
44	Dicofol	< 40	50*	40	14	****
45	Dieldrin	< 40	50*	40	14	****
46	Difenoconazole I	< 40	***	40	14	****
47	Difenoconazole II	< 40	***	40	14	****
48	Difenoconazole-Total	< 40	50*	40	14	****
49	Diflufenican	< 40	50*	40	14	****

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Item	Test Item	Final Result $\mu\text{g} / \text{kg}$ (ppb)	ISIRI MRL $\mu\text{g} / \text{kg}$ (ppb)	LOQ $\mu\text{g} / \text{kg}$ (ppb)	LOD $\mu\text{g} / \text{kg}$ (ppb)	Note
50	Dimethomorph I	< 40	***	40	14	****
51	Dimethomorph II	< 40	***	40	14	****
52	Dimethomorph-Total	< 40	50*	40	14	****
53	Diphenylamine	< 40	50*	40	14	****
54	Disulfoton	< 40	50*	40	14	****
55	Edifenphos	< 40	50*	40	14	****
56	Endosulfan-alpha	< 40	***	40	14	****
57	Endosulfan-Total	< 40	50*	40	14	****
58	Endrin keton	< 40	50*	40	14	****
59	Epoxiconazole II	< 40	***	40	14	****
60	Epoxiconazole-Total	< 40	50*	40	14	****
61	Ethion	< 40	50*	40	14	****
62	Etoazole	< 40	50*	40	14	****
63	Etrimfos	< 40	50*	40	14	****
64	Fenamiphos	< 40	50*	40	14	****
65	Fenarimol	< 40	50*	40	14	****
66	Fenazaquin	< 40	50*	40	14	****
67	Fenbuconazole	< 40	50*	40	14	****
68	Fenchlorfos	< 40	50*	40	14	****
69	Fenitrothion	< 40	50*	40	14	****
70	Fenoxycarb	< 40	50*	40	14	****
71	Fenpropathrin	< 40	50*	40	14	****
72	Fenthion	< 40	50*	40	14	****
73	Fipronil	< 40	50*	40	14	****
74	Flamprop-m-isopropyl	< 40	50*	40	14	****
75	Flusilazole	< 40	50*	40	14	****
76	Furmecyclox	< 40	50*	40	14	****
77	HCH-beta	< 40	***	40	14	****
78	HCH-Total	< 40	50*	40	14	****
79	Heptachlor-epoxide (Cis)	< 40	50*	40	14	****
80	Hexaconazole	< 40	50*	40	14	****
81	Imazalil	< 40	50*	40	14	****
82	Iprobenfos	< 40	50*	40	14	****
83	Kresoxim-methyl	< 40	50*	40	14	****

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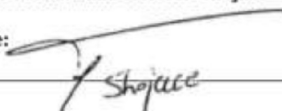
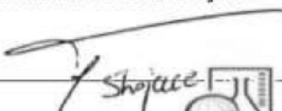
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Item	Test Item	Final Result µg / kg (ppb)	ISIRI MRL µg / kg (ppb)	LOQ µg / kg (ppb)	LOD µg / kg (ppb)	Note
84	Lindane	< 40	50*	40	14	****
85	Malathion	< 40	50*	40	14	****
86	Mecarbam	< 40	50*	40	14	****
87	Metalaxyl	< 40	50*	40	14	****
88	Methidathion	< 40	50*	40	14	****
89	Methoxychlor	< 40	50*	40	14	****
90	Metribuzin I	< 40	***	40	14	****
91	Metribuzin-Total	< 40	50*	40	14	****
92	Myclobutanil	< 40	50*	40	14	****
93	Nonachlor-Cis	< 40	50*	40	14	****
94	Nonachlor-Trans	< 40	50*	40	14	****
95	Oxadiazon	< 40	50*	40	14	****
96	Oxyfluorfen	< 40	50*	40	14	****
97	Parathion	< 40	50*	40	14	****
98	Pendimethalin	< 40	50*	40	14	****
99	Permethrin I	< 40	***	40	14	****
100	Permethrin II	< 40	***	40	14	****
101	Permethrin-Total	< 40	50*	40	14	****
102	Phenthoate	< 40	50*	40	14	****
103	Phorate	< 40	50*	40	14	****
104	Piperonyl butoxide	< 40	50*	40	14	****
105	Pirimiphos methyl	< 40	50*	40	14	****
106	Pretilachlor	< 40	50*	40	14	****
107	Procymidone	< 40	50*	40	14	****
108	Profenophos	< 40	50*	40	14	****
109	Prothiofos	< 40	50*	40	14	****
110	Pyridaben	< 40	50*	40	14	****
111	Pyrimethanil	< 40	50*	40	14	****
112	Pyriproxyfen	< 40	50*	40	14	****
113	Simazine	< 40	50*	40	14	****
114	Sulfotep	< 40	50*	40	14	****
115	Tebufenpyrad	< 40	50*	40	14	****
116	Terbufos-sulfone	< 40	50*	40	14	****
117	Tetradifon	< 40	50*	40	14	****

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Item	Test Item	Final Result µg / kg (ppb)	ISIRI MRL µg / kg (ppb)	LOQ µg / kg (ppb)	LOD µg / kg (ppb)	Note
118	Tetramethrin I	< 40	***	40	14	****
119	Tetramethrin II	< 40	***	40	14	****
120	Tetramethrin-Total	< 40	50*	40	14	****
121	Thiobencarb	< 40	50*	40	14	****
122	Tolclofos-methyl	< 40	50*	40	14	****
123	Triadimefon	< 40	50*	40	14	****
124	Triadimenol	< 40	50*	40	14	****
125	Triazophos	< 40	50*	40	14	****
126	Triflumizole	< 40	50*	40	14	****
127	Trifluralin	< 40	50*	40	14	****
128	Vinclozolin	< 40	50*	40	14	****

ISIRI = Institute of Standards and Industrial Research of Iran, GC/MS = Gas Chromatography-Mass Spectrometry, LC/MS/MS = Liquid chromatography- Mass Spectrometry / Mass Spectrometry, MRM = Multiple Reaction Monitoring, SRM = Selected Reaction Monitoring, Scan (GC/MS-Full Scan) = Monitoring of broad range of mass fragments to monitor, SIM = Selected Ion Monitoring, EU= European Union, MRL= Maximum Residue Limits, LOD= Limit of Detection, LOQ = Limit Of Quantification. The results relate only to the items tested. The certificate shall not be reproduced except in full, without the written approval of the Laboratory. The report shall not be used by the client to claim product endorsement by any accreditation bodies. Results are corrected for recovery.

Laboratory Technical Manager: Name: Dr Mohammad Hossein Shojaee Signature: 	Laboratory Manager / Laboratory Quality Manager: Name: Dr Mohammad Hossein Shojaee Signature: 
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