



TEST REPORT

Report No.: METS-R 4913-04/2022

Client / Establishment	M/s. Green Leader Solutions General Trading LLC 1302-17, 13 th Floor City Tower 2 Sheikh Zayed Road, Dubai United Arab Emirates
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Sample Description	Cardamom- Viridium Tanzania Ltd 7mm-7.5mm	Laboratory sample ID	METS-S22-4913-04
Sample Source	Green Leader Solutions General Trading LLC, Dubai		
Sampling Procedure	NG	Laboratory Request No	METS-RQ22-4913
Sample Collected On/ Time	24/05/2022	Date Reported	14/06/2022
Sample Received On	24/05/2022	Additional Information: NG	
Sample Container	Plastic Packaging		
Sample Preservation	NG		
Sample Temperature	NG		
Sample Collected By	Client		

Results of Physico-Chemical Analysis:

Date of Analysis: 25/05/2022-29/05/2022

Sr. No.	Parameter	Test Method	Unit	Result
1	Diameter range of cardamom pods	Vernier caliper	mm	7-7.5
2	Moisture [#]	AOAC 986.21	%	10.94
3	Volatile oil (dry basis) [#]	AOAC 962.17	%	3.79
4	Total Ash (dry basis) [#]	AOAC 941.12	%	7.87
5	Acid insoluble Ash (dry basis) [#]	AOAC 941.12B	%	1.84
6	Density	Gravimetric	g/ml	392
Heavy Metals[#]				
7	Mercury	METS IP 103	mg/kg	ND(DL:0.1)
8	Cadmium	METS IP 103	mg/kg	ND(DL:0.1)
9	Arsenic	METS IP 103	mg/kg	ND(DL:0.1)
10	Lead	METS IP 103	mg/kg	ND(DL:0.1)

Issue No: 2

Form MRF 18





Report No.: METS-R 4913-04/2022

Date of Analysis: 25/05/2022-30/05/2022

Result of Chemical Analysis:

Sr. No.	Parameters	Test Method	Unit	Result
Pesticides Residue*				
1	Cyromazine	METS-IP-72	mg/kg	ND(DL:0.01)
2	Methamidophos	METS-IP-72	mg/kg	ND(DL:0.01)
3	Acephate	METS-IP-72	mg/kg	ND(DL:0.01)
4	Propamocarb	METS-IP-72	mg/kg	ND(DL:0.01)
5	Omethoate	METS-IP-72	mg/kg	ND(DL:0.01)
6	Aminocarb	METS-IP-72	mg/kg	ND(DL:0.01)
7	Formetanate HCl	METS-IP-72	mg/kg	ND(DL:0.01)
8	Dinotefuran	METS-IP-72	mg/kg	ND(DL:0.01)
9	Aldicarb sulfone	METS-IP-72	mg/kg	ND(DL:0.01)
10	Butoxycarboxim	METS-IP-72	mg/kg	ND(DL:0.01)
11	Flonicamid	METS-IP-72	mg/kg	ND(DL:0.01)
12	Aldicarb sulfoxide	METS-IP-72	mg/kg	ND(DL:0.01)
13	Nitenpyram	METS-IP-72	mg/kg	ND(DL:0.01)
14	Oxamyl	METS-IP-72	mg/kg	ND(DL:0.01)
15	Pymetrozine	METS-IP-72	mg/kg	ND(DL:0.01)
16	Methomyl	METS-IP-72	mg/kg	ND(DL:0.01)
17	Carbendazim	METS-IP-72	mg/kg	ND(DL:0.01)
18	Monocrotophos	METS-IP-72	mg/kg	ND(DL:0.01)
19	Thiamethoxam	METS-IP-72	mg/kg	ND(DL:0.01)
20	Trichlorfon	METS-IP-72	mg/kg	ND(DL:0.01)
21	Clothianidin	METS-IP-72	mg/kg	ND(DL:0.01)
22	Dicrotophos	METS-IP-72	mg/kg	ND(DL:0.01)
23	Dimethoate	METS-IP-72	mg/kg	ND(DL:0.01)
24	3-Hydroxycarbofuran	METS-IP-72	mg/kg	ND(DL:0.01)
25	Mevinphos	METS-IP-72	mg/kg	ND(DL:0.01)
26	Vamidotion	METS-IP-72	mg/kg	ND(DL:0.01)
27	Mexacarbate	METS-IP-72	mg/kg	ND(DL:0.01)
28	Dioxacarb	METS-IP-72	mg/kg	ND(DL:0.01)
29	Imidacloprid	METS-IP-72	mg/kg	ND(DL:0.01)
30	Fuberidazole	METS-IP-72	mg/kg	ND(DL:0.01)
31	Fenuron	METS-IP-72	mg/kg	ND(DL:0.01)
32	Cymoxanil	METS-IP-72	mg/kg	ND(DL:0.01)
33	Thiabendazole	METS-IP-72	mg/kg	ND(DL:0.01)
34	Acetamiprid	METS-IP-72	mg/kg	ND(DL:0.01)
35	Aldicarb	METS-IP-72	mg/kg	ND(DL:0.01)
36	Butocarboxim	METS-IP-72	mg/kg	ND(DL:0.01)
37	Mesotrione	METS-IP-72	mg/kg	ND(DL:0.01)





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Result of Chemical Analysis:

Sr. No.	Parameters	Test Method	Unit	Result
Pesticides Residue*				
38	Ethirimol	METS-IP-72	mg/kg	ND(DL:0.01)
39	Carbetamide	METS-IP-72	mg/kg	ND(DL:0.01)
40	Oxadixyl	METS-IP-72	mg/kg	ND(DL:0.01)
41	Thiacloprid	METS-IP-72	mg/kg	ND(DL:0.01)
42	Thidiazuron	METS-IP-72	mg/kg	ND(DL:0.01)
43	Thiophanate-methyl	METS-IP-72	mg/kg	ND(DL:0.01)
44	Bendiocarb	METS-IP-72	mg/kg	ND(DL:0.01)
45	Propoxur	METS-IP-72	mg/kg	ND(DL:0.01)
46	Tricyclazole	METS-IP-72	mg/kg	ND(DL:0.01)
47	Carbofuran	METS-IP-72	mg/kg	ND(DL:0.01)
48	Metribuzin	METS-IP-72	mg/kg	ND(DL:0.01)
49	Pyracarbolid	METS-IP-72	mg/kg	ND(DL:0.01)
50	Carbaryl	METS-IP-72	mg/kg	ND(DL:0.01)
51	Ethiofencarb	METS-IP-72	mg/kg	ND(DL:0.01)
52	Pirimicarb	METS-IP-72	mg/kg	ND(DL:0.01)
53	Imazalil	METS-IP-72	mg/kg	ND(DL:0.01)
54	Carboxin	METS-IP-72	mg/kg	ND(DL:0.01)
55	Tebuthiuron	METS-IP-72	mg/kg	ND(DL:0.01)
56	Propham	METS-IP-72	mg/kg	ND(DL:0.01)
57	Thiofanox	METS-IP-72	mg/kg	ND(DL:0.01)
58	Isocarbophos	METS-IP-72	mg/kg	ND(DL:0.01)
59	Fluometuron	METS-IP-72	mg/kg	ND(DL:0.01)
60	Isoprocarb	METS-IP-72	mg/kg	ND(DL:0.01)
61	Monolinuron	METS-IP-72	mg/kg	ND(DL:0.01)
62	Simetryn	METS-IP-72	mg/kg	ND(DL:0.01)
63	Flutriafol	METS-IP-72	mg/kg	ND(DL:0.01)
64	Desmedipham	METS-IP-72	mg/kg	ND(DL:0.01)
65	Forchlorfenuron	METS-IP-72	mg/kg	ND(DL:0.01)
66	Metobromuron	METS-IP-72	mg/kg	ND(DL:0.01)
67	Secbumeton	METS-IP-72	mg/kg	ND(DL:0.01)
68	Prometon	METS-IP-72	mg/kg	ND(DL:0.01)
69	Chlorotoluron	METS-IP-72	mg/kg	ND(DL:0.01)
70	Terbumeton	METS-IP-72	mg/kg	ND(DL:0.01)
71	Phenmedipham	METS-IP-72	mg/kg	ND(DL:0.01)
72	Fenpropimorph	METS-IP-72	mg/kg	ND(DL:0.01)





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Result of Chemical Analysis:

Sr. No.	Parameters	Test Method	Unit	Result
Pesticides Residue*				
73	Isoproturon	METS-IP-72	mg/kg	ND(DL:0.01)
74	Chlorantraniliprole	METS-IP-72	mg/kg	ND(DL:0.01)
75	Methabenzthiazuron	METS-IP-72	mg/kg	ND(DL:0.01)
76	Fenobucarb	METS-IP-72	mg/kg	ND(DL:0.01)
77	Ethofumesate	METS-IP-72	mg/kg	ND(DL:0.01)
78	Diuron	METS-IP-72	mg/kg	ND(DL:0.01)
79	Siduron	METS-IP-72	mg/kg	ND(DL:0.01)
80	Ametryn	METS-IP-72	mg/kg	ND(DL:0.01)
81	Diethofencarb	METS-IP-72	mg/kg	ND(DL:0.01)
82	Furalaxyl	METS-IP-72	mg/kg	ND(DL:0.01)
83	Spiroxamine	METS-IP-72	mg/kg	ND(DL:0.01)
84	Ethiprole	METS-IP-72	mg/kg	ND(DL:0.01)
85	Methoprotryne	METS-IP-72	mg/kg	ND(DL:0.01)
86	Cycluron	METS-IP-72	mg/kg	ND(DL:0.01)
87	Fenamidone	METS-IP-72	mg/kg	ND(DL:0.01)
88	Nuarimol	METS-IP-72	mg/kg	ND(DL:0.01)
89	Methiocarb	METS-IP-72	mg/kg	ND(DL:0.01)
90	Azoxystrobin	METS-IP-72	mg/kg	ND(DL:0.01)
91	Promecarb	METS-IP-72	mg/kg	ND(DL:0.01)
92	Flutolanil	METS-IP-72	mg/kg	ND(DL:0.01)
93	Clethodim	METS-IP-72	mg/kg	ND(DL:0.01)
94	Paclobutrazol	METS-IP-72	mg/kg	ND(DL:0.01)
95	Linuron	METS-IP-72	mg/kg	ND(DL:0.01)
96	Mandipropamid	METS-IP-72	mg/kg	ND(DL:0.01)
97	Mepronil	METS-IP-72	mg/kg	ND(DL:0.01)
98	Pyrimethanil	METS-IP-72	mg/kg	ND(DL:0.01)
99	Boscalid	METS-IP-72	mg/kg	ND(DL:0.01)
100	Methoxyfenozide	METS-IP-72	mg/kg	ND(DL:0.01)
101	Triadimefon	METS-IP-72	mg/kg	ND(DL:0.01)
102	Iprovalicarb	METS-IP-72	mg/kg	ND(DL:0.01)
103	Acibenzolar-S-methyl	METS-IP-72	mg/kg	ND(DL:0.01)
104	Cyproconazole	METS-IP-72	mg/kg	ND(DL:0.01)
105	Triadimenol	METS-IP-72	mg/kg	ND(DL:0.01)
106	Fenhexamid	METS-IP-72	mg/kg	ND(DL:0.01)
107	Prometryne	METS-IP-72	mg/kg	ND(DL:0.01)





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Sr. No.	Parameters	Test Method	Unit	Result
Pesticides Residue*				
108	Dimethomorph	METS-IP-72	mg/kg	ND(DL:0.01)
109	Myclobutanil	METS-IP-72	mg/kg	ND(DL:0.01)
110	Bifenazate	METS-IP-72	mg/kg	ND(DL:0.01)
111	Butafenacil	METS-IP-72	mg/kg	ND(DL:0.01)
112	Terbutryn	METS-IP-72	mg/kg	ND(DL:0.01)
113	Spirotetramat	METS-IP-72	mg/kg	ND(DL:0.01)
114	Flufenacet	METS-IP-72	mg/kg	ND(DL:0.01)
115	Mefenacet	METS-IP-72	mg/kg	ND(DL:0.01)
116	Bromucanazole	METS-IP-72	mg/kg	ND(DL:0.01)
117	Fenarimol	METS-IP-72	mg/kg	ND(DL:0.01)
118	Fluquinconazole	METS-IP-72	mg/kg	ND(DL:0.01)
119	Tetraconazole	METS-IP-72	mg/kg	ND(DL:0.01)
120	Bupirimate	METS-IP-72	mg/kg	ND(DL:0.01)
121	Cyazofamid	METS-IP-72	mg/kg	ND(DL:0.01)
122	Triticonazole	METS-IP-72	mg/kg	ND(DL:0.01)
123	Chloroxuron	METS-IP-72	mg/kg	ND(DL:0.01)
124	Fluoxastrobin	METS-IP-72	mg/kg	ND(DL:0.01)
125	Mepanipyrim	METS-IP-72	mg/kg	ND(DL:0.01)
126	Tebufenozide	METS-IP-72	mg/kg	ND(DL:0.01)
127	Diflubenzuron	METS-IP-72	mg/kg	ND(DL:0.01)
128	Fenoxycarb	METS-IP-72	mg/kg	ND(DL:0.01)
129	Picoxystrobin	METS-IP-72	mg/kg	ND(DL:0.01)
130	Etaconazole	METS-IP-72	mg/kg	ND(DL:0.01)
131	Neburon	METS-IP-72	mg/kg	ND(DL:0.01)
132	Kresoxim-methyl	METS-IP-72	mg/kg	ND(DL:0.01)
133	Carfentrazone-ethyl	METS-IP-72	mg/kg	ND(DL:0.01)
134	Fenbuconazole	METS-IP-72	mg/kg	ND(DL:0.01)
135	Dimoxystrobin	METS-IP-72	mg/kg	ND(DL:0.01)
136	Diclobutrazol	METS-IP-72	mg/kg	ND(DL:0.01)
137	Epoxiconazole	METS-IP-72	mg/kg	ND(DL:0.01)
138	Flusilazole	METS-IP-72	mg/kg	ND(DL:0.01)
139	Rotenone	METS-IP-72	mg/kg	ND(DL:0.01)
140	Cyprodinil	METS-IP-72	mg/kg	ND(DL:0.01)
141	Zoxamide	METS-IP-72	mg/kg	ND(DL:0.01)
142	Prothioconazole	METS-IP-72	mg/kg	ND(DL:0.01)





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Result of Chemical Analysis:

Sr. No.	Parameters	Test Method	Unit	Result
Pesticides Residue*				
143	Amitraz	METS-IP-72	mg/kg	ND(DL:0.01)
144	Benalaxyl	METS-IP-72	mg/kg	ND(DL:0.01)
145	Tebuconazole	METS-IP-72	mg/kg	ND(DL:0.01)
146	Famoxadone	METS-IP-72	mg/kg	ND(DL:0.01)
147	Alanycarb	METS-IP-72	mg/kg	ND(DL:0.01)
148	Hexaconazole	METS-IP-72	mg/kg	ND(DL:0.01)
149	Penconazole	METS-IP-72	mg/kg	ND(DL:0.01)
150	Pyraclostrobin	METS-IP-72	mg/kg	ND(DL:0.01)
151	Triflumuron	METS-IP-72	mg/kg	ND(DL:0.01)
152	Bitertanol	METS-IP-72	mg/kg	ND(DL:0.01)
153	Metconazole	METS-IP-72	mg/kg	ND(DL:0.01)
154	Propiconazole	METS-IP-72	mg/kg	ND(DL:0.01)
155	Benzoximate	METS-IP-72	mg/kg	ND(DL:0.01)
156	Diniconazole	METS-IP-72	mg/kg	ND(DL:0.01)
157	(Monceren) Pencycuron	METS-IP-72	mg/kg	ND(DL:0.01)
158	Thiobencarb	METS-IP-72	mg/kg	ND(DL:0.01)
159	Prochloraz	METS-IP-72	mg/kg	ND(DL:0.01)
160	Indoxacarb	METS-IP-72	mg/kg	ND(DL:0.01)
161	Clofentezine	METS-IP-72	mg/kg	ND(DL:0.01)
162	Ipconazole	METS-IP-72	mg/kg	ND(DL:0.01)
163	Hydramethylnon	METS-IP-72	mg/kg	ND(DL:0.01)
164	Trifloxystrobin	METS-IP-72	mg/kg	ND(DL:0.01)
165	Spinosad (Spinosyn A)	METS-IP-72	mg/kg	ND(DL:0.01)
166	Difenoconazole	METS-IP-72	mg/kg	ND(DL:0.01)
167	Benfuracarb	METS-IP-72	mg/kg	ND(DL:0.01)
168	Emamectin-benzoate b1b	METS-IP-72	mg/kg	ND(DL:0.01)
169	Buprofezin	METS-IP-72	mg/kg	ND(DL:0.01)
170	Triflumizole	METS-IP-72	mg/kg	ND(DL:0.01)
171	Furathiocarb	METS-IP-72	mg/kg	ND(DL:0.01)
172	Hexaflumuron	METS-IP-72	mg/kg	ND(DL:0.01)
173	Novaluron	METS-IP-72	mg/kg	ND(DL:0.01)
174	Spinetoram	METS-IP-72	mg/kg	ND(DL:0.01)
175	Spinosad (Spinosyn D)	METS-IP-72	mg/kg	ND(DL:0.01)
176	Metaflumizone	METS-IP-72	mg/kg	ND(DL:0.01)
177	Piperonyl butoxide	METS-IP-72	mg/kg	ND(DL:0.01)





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Result of Chemical Analysis:

Sr. No.	Parameters	Test Method	Unit	Result
Pesticides Residue*				
178	Tebufenpyrad	METS-IP-72	mg/kg	ND(DL:0.01)
179	Temephos	METS-IP-72	mg/kg	ND(DL:0.01)
180	Teflubenzuron	METS-IP-72	mg/kg	ND(DL:0.01)
181	Pyriproxyfen	METS-IP-72	mg/kg	ND(DL:0.01)
182	Spiromesifen	METS-IP-72	mg/kg	ND(DL:0.01)
183	Hexythiazox	METS-IP-72	mg/kg	ND(DL:0.01)
184	Lufenuron	METS-IP-72	mg/kg	ND(DL:0.01)
185	Propargite	METS-IP-72	mg/kg	ND(DL:0.01)
186	Spirodiclofen	METS-IP-72	mg/kg	ND(DL:0.01)
187	Flufenoxuron	METS-IP-72	mg/kg	ND(DL:0.01)
188	Quinoxifen	METS-IP-72	mg/kg	ND(DL:0.01)
189	Etoxazole	METS-IP-72	mg/kg	ND(DL:0.01)
190	Avermectin B1b	METS-IP-72	mg/kg	ND(DL:0.01)
191	Chlorfluazuron	METS-IP-72	mg/kg	ND(DL:0.01)
192	Fenpyroximate	METS-IP-72	mg/kg	ND(DL:0.01)
193	Eprinomectin	METS-IP-72	mg/kg	ND(DL:0.01)
194	Pyridaben	METS-IP-72	mg/kg	ND(DL:0.01)
195	Doramectin	METS-IP-72	mg/kg	ND(DL:0.01)
196	Fenazaquin	METS-IP-72	mg/kg	ND(DL:0.01)
197	Moxidectin	METS-IP-72	mg/kg	ND(DL:0.01)
198	Ivermectin	METS-IP-72	mg/kg	ND(DL:0.01)
199	Fluazinam	METS-IP-72	mg/kg	ND(DL:0.01)
200	Sulfentrazone	METS-IP-72	mg/kg	ND(DL:0.01)
201	Halofenozide	METS-IP-72	mg/kg	ND(DL:0.01)
202	Fludioxinil	METS-IP-72	mg/kg	ND(DL:0.01)
203	Fipronil	METS-IP-72	mg/kg	ND(DL:0.01)
204	Flubendiamide	METS-IP-72	mg/kg	ND(DL:0.01)
205	Allidochlor	METS-IP-72	mg/kg	ND(DL:0.01)
206	Diclobenil	METS-IP-72	mg/kg	ND(DL:0.01)
207	Biphenyl	METS-IP-72	mg/kg	ND(DL:0.01)
208	Mevinphos	METS-IP-72	mg/kg	ND(DL:0.01)
209	3,4'-Dichloroaniline	METS-IP-72	mg/kg	ND(DL:0.01)
210	Etridiazole	METS-IP-72	mg/kg	ND(DL:0.01)
211	Pebulate	METS-IP-72	mg/kg	ND(DL:0.01)
212	N-(2,4Dimethylphenyl) formamide	METS-IP-72	mg/kg	ND(DL:0.01)





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Result of Chemical Analysis:

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Pesticides Residue*				
213	Tetrahydrophthalimide	METS-IP-72	mg/kg	ND(DL:0.01)
214	Methacrifos	METS-IP-72	mg/kg	ND(DL:0.01)
215	Chloroneb	METS-IP-72	mg/kg	ND(DL:0.01)
216	2-Phenylphenol	METS-IP-72	mg/kg	ND(DL:0.01)
217	Pentachlorobenzene	METS-IP-72	mg/kg	ND(DL:0.01)
218	Tecnazene	METS-IP-72	mg/kg	ND(DL:0.01)
219	Propachlor	METS-IP-72	mg/kg	ND(DL:0.01)
220	Diphenylamine	METS-IP-72	mg/kg	ND(DL:0.01)
221	2,3,5,6-Tetrachloroaniline	METS-IP-72	mg/kg	ND(DL:0.01)
222	Cycloate	METS-IP-72	mg/kg	ND(DL:0.01)
223	Chlorpropham	METS-IP-72	mg/kg	ND(DL:0.01)
224	Ethalfuralin	METS-IP-72	mg/kg	ND(DL:0.01)
225	Trifluralin	METS-IP-72	mg/kg	ND(DL:0.01)
226	Benfluralin	METS-IP-72	mg/kg	ND(DL:0.01)
227	Sulfotep	METS-IP-72	mg/kg	ND(DL:0.01)
228	Phorate	METS-IP-72	mg/kg	ND(DL:0.01)
229	Diallate	METS-IP-72	mg/kg	ND(DL:0.01)
230	Alpha-BHC	METS-IP-72	mg/kg	ND(DL:0.01)
231	Hexachlorobenzene	METS-IP-72	mg/kg	ND(DL:0.01)
232	Dicloran	METS-IP-72	mg/kg	ND(DL:0.01)
233	Pentachloroanisole	METS-IP-72	mg/kg	ND(DL:0.01)
234	Atrazine	METS-IP-72	mg/kg	ND(DL:0.01)
235	beta-BHC	METS-IP-72	mg/kg	ND(DL:0.01)
236	Clomazone	METS-IP-72	mg/kg	ND(DL:0.01)
237	gamma-BHC	METS-IP-72	mg/kg	ND(DL:0.01)
238	Terbutylazine	METS-IP-72	mg/kg	ND(DL:0.01)
239	Quintozene	METS-IP-72	mg/kg	ND(DL:0.01)
240	Terbufos	METS-IP-72	mg/kg	ND(DL:0.01)
241	Pentachlorobenzonitrile	METS-IP-72	mg/kg	ND(DL:0.01)
242	Fonofos	METS-IP-72	mg/kg	ND(DL:0.01)
243	Propyzamide	METS-IP-72	mg/kg	ND(DL:0.01)
244	Profluralin	METS-IP-72	mg/kg	ND(DL:0.01)
245	Diazinon	METS-IP-72	mg/kg	ND(DL:0.01)
246	Disulfoton	METS-IP-72	mg/kg	ND(DL:0.01)
247	Fluchloralin	METS-IP-72	mg/kg	ND(DL:0.01)





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Result of Chemical Analysis:

Sr. No.	Parameters	Test Method	Unit	Result
Pesticides Residue*				
248	delta-BHC	METS-IP-72	mg/kg	ND(DL:0.01)
249	Terbacil	METS-IP-72	mg/kg	ND(DL:0.01)
250	Chlorothalonil	METS-IP-72	mg/kg	ND(DL:0.01)
251	Tefluthrin	METS-IP-72	mg/kg	ND(DL:0.01)
252	Isazophos	METS-IP-72	mg/kg	ND(DL:0.01)
253	Triallate	METS-IP-72	mg/kg	ND(DL:0.01)
254	Endosulfan ether	METS-IP-72	mg/kg	ND(DL:0.01)
255	Pentachloroaniline	METS-IP-72	mg/kg	ND(DL:0.01)
256	Propanil	METS-IP-72	mg/kg	ND(DL:0.01)
257	Dimethachlor	METS-IP-72	mg/kg	ND(DL:0.01)
258	Acetochlor	METS-IP-72	mg/kg	ND(DL:0.01)
259	Methyl parathion	METS-IP-72	mg/kg	ND(DL:0.01)
260	Vinclozolin	METS-IP-72	mg/kg	ND(DL:0.01)
261	Chlorpyrifos-methyl	METS-IP-72	mg/kg	ND(DL:0.01)
262	Tolclofos-methyl	METS-IP-72	mg/kg	ND(DL:0.01)
263	Transfluthrin	METS-IP-72	mg/kg	ND(DL:0.01)
264	Heptachlor	METS-IP-72	mg/kg	ND(DL:0.01)
265	Alachlor	METS-IP-72	mg/kg	ND(DL:0.01)
266	Propisochlor	METS-IP-72	mg/kg	ND(DL:0.01)
267	Metalaxyl	METS-IP-72	mg/kg	ND(DL:0.01)
268	Fenclorphos	METS-IP-72	mg/kg	ND(DL:0.01)
269	Fenitrothion	METS-IP-72	mg/kg	ND(DL:0.01)
270	Pirimiphos-methyl	METS-IP-72	mg/kg	ND(DL:0.01)
271	Prodiamine	METS-IP-72	mg/kg	ND(DL:0.01)
272	Linuron	METS-IP-72	mg/kg	ND(DL:0.01)
273	Pentachlorothioanisole	METS-IP-72	mg/kg	ND(DL:0.01)
274	Dichlofluanid	METS-IP-72	mg/kg	ND(DL:0.01)
275	Malathion	METS-IP-72	mg/kg	ND(DL:0.01)
276	Anthraquinone	METS-IP-72	mg/kg	ND(DL:0.01)
277	Aldrin	METS-IP-72	mg/kg	ND(DL:0.01)
278	Metolachlor	METS-IP-72	mg/kg	ND(DL:0.01)
279	Fenthion	METS-IP-72	mg/kg	ND(DL:0.01)
280	Chlorpyrifos	METS-IP-72	mg/kg	ND(DL:0.01)
281	Parathion	METS-IP-72	mg/kg	ND(DL:0.01)
282	4,4'-Dichlorobenzophenone,	METS-IP-72	mg/kg	ND(DL:0.01)





Report No.: METS-R 4913-04/2022

Date of Analysis: 25/05/2022-30/05/2022

Result of Chemical Analysis:

Sr. No.	Parameters	Test Method	Unit	Result
Pesticides Residue*				
283	Triadimefon	METS-IP-72	mg/kg	ND(DL:0.01)
284	Chlorthal-dimethyl	METS-IP-72	mg/kg	ND(DL:0.01)
285	Fenson	METS-IP-72	mg/kg	ND(DL:0.01)
286	MGK 264	METS-IP-72	mg/kg	ND(DL:0.01)
287	Bromophos-methyl	METS-IP-72	mg/kg	ND(DL:0.01)
288	Diphenamid	METS-IP-72	mg/kg	ND(DL:0.01)
289	Pirimiphos-ethyl	METS-IP-72	mg/kg	ND(DL:0.01)
290	Isodrin	METS-IP-72	mg/kg	ND(DL:0.01)
291	Isopropalin	METS-IP-72	mg/kg	ND(DL:0.01)
292	Chlorfenvinphos	METS-IP-72	mg/kg	ND(DL:0.01)
293	Metazachlor	METS-IP-72	mg/kg	ND(DL:0.01)
294	Pendimethalin	METS-IP-72	mg/kg	ND(DL:0.01)
295	Heptachlor epoxide	METS-IP-72	mg/kg	ND(DL:0.01)
296	Penconazole	METS-IP-72	mg/kg	ND(DL:0.01)
297	Chlozolate	METS-IP-72	mg/kg	ND(DL:0.01)
298	Tolyfluanid	METS-IP-72	mg/kg	ND(DL:0.01)
299	Bromfenvinphos-methyl	METS-IP-72	mg/kg	ND(DL:0.01)
300	Captan	METS-IP-72	mg/kg	ND(DL:0.01)
301	Bioallethrin	METS-IP-72	mg/kg	ND(DL:0.01)
302	Fipronil	METS-IP-72	mg/kg	ND(DL:0.01)
303	Quinalphos	METS-IP-72	mg/kg	ND(DL:0.01)
304	Triadimenol	METS-IP-72	mg/kg	ND(DL:0.01)
305	Folpet	METS-IP-72	mg/kg	ND(DL:0.01)
306	Procymidone	METS-IP-72	mg/kg	ND(DL:0.01)
307	Chlorbenside	METS-IP-72	mg/kg	ND(DL:0.01)
308	Chlordane, trans-	METS-IP-72	mg/kg	ND(DL:0.01)
309	Bromophos-ethyl	METS-IP-72	mg/kg	ND(DL:0.01)
310	o,p'-DDE	METS-IP-72	mg/kg	ND(DL:0.01)
311	Paclobutrazol	METS-IP-72	mg/kg	ND(DL:0.01)
312	Tetrachlorvinphos	METS-IP-72	mg/kg	ND(DL:0.01)
313	Endosulfan alpha	METS-IP-72	mg/kg	ND(DL:0.01)
314	cis-Chlordane	METS-IP-72	mg/kg	ND(DL:0.01)
315	trans-Nonachlor	METS-IP-72	mg/kg	ND(DL:0.01)
316	Chlorfenson	METS-IP-72	mg/kg	ND(DL:0.01)
317	Fenamiphos	METS-IP-72	mg/kg	ND(DL:0.01)
318	Bromfenvinphos	METS-IP-72	mg/kg	ND(DL:0.01)





Report No.: METS-R 4913-04/2022

Date of Analysis: 25/05/2022-30/05/2022

Result of Chemical Analysis:

Sr. No.	Parameters	Test Method	Unit	Result
Pesticides Residue*				
319	Iodofenfos	METS-IP-72	mg/kg	ND(DL:0.01)
320	Prothiofos	METS-IP-72	mg/kg	ND(DL:0.01)
321	Tricyclazole	METS-IP-72	mg/kg	ND(DL:0.01)
322	Profenofos	METS-IP-72	mg/kg	ND(DL:0.01)
323	Fludioxonil	METS-IP-72	mg/kg	ND(DL:0.01)
324	Pretilachlor	METS-IP-72	mg/kg	ND(DL:0.01)
325	p,p'-DDE	METS-IP-72	mg/kg	ND(DL:0.01)
326	Dieldrin	METS-IP-72	mg/kg	ND(DL:0.01)
327	Oxadiazon	METS-IP-72	mg/kg	ND(DL:0.01)
328	Myclobutanil	METS-IP-72	mg/kg	ND(DL:0.01)
329	o,p'-DDD	METS-IP-72	mg/kg	ND(DL:0.01)
330	Oxyfluorfen	METS-IP-72	mg/kg	ND(DL:0.01)
331	Flusilazole	METS-IP-72	mg/kg	ND(DL:0.01)
332	Bupirimate	METS-IP-72	mg/kg	ND(DL:0.01)
333	Nitrofen	METS-IP-72	mg/kg	ND(DL:0.01)
334	Fluazifop-P-butyl	METS-IP-72	mg/kg	ND(DL:0.01)
335	Endrin	METS-IP-72	mg/kg	ND(DL:0.01)
336	Ethylan	METS-IP-72	mg/kg	ND(DL:0.01)
337	Chlorfenapyr	METS-IP-72	mg/kg	ND(DL:0.01)
338	Chlorthiophos	METS-IP-72	mg/kg	ND(DL:0.01)
339	Chlorobenzilate	METS-IP-72	mg/kg	ND(DL:0.01)
340	Endosulfan beta	METS-IP-72	mg/kg	ND(DL:0.01)
341	p,p'-DDD	METS-IP-72	mg/kg	ND(DL:0.01)
342	o,p'-DDT	METS-IP-72	mg/kg	ND(DL:0.01)
343	Ethion	METS-IP-72	mg/kg	ND(DL:0.01)
344	cis-Nonachlor	METS-IP-72	mg/kg	ND(DL:0.01)
345	Endrin aldehyde	METS-IP-72	mg/kg	ND(DL:0.01)
346	Sulprofos	METS-IP-72	mg/kg	ND(DL:0.01)
347	Triazophos	METS-IP-72	mg/kg	ND(DL:0.01)
348	Carbophenothion	METS-IP-72	mg/kg	ND(DL:0.01)
349	4,4'-Methoxychlor olefin	METS-IP-72	mg/kg	ND(DL:0.01)
350	Carfentrazone ethyl	METS-IP-72	mg/kg	ND(DL:0.01)
351	Edifenphos	METS-IP-72	mg/kg	ND(DL:0.01)
352	Norflurazon	METS-IP-72	mg/kg	ND(DL:0.01)
353	Lenacil	METS-IP-72	mg/kg	ND(DL:0.01)
354	Endosulfan sulfate	METS-IP-72	mg/kg	ND(DL:0.01)





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Date of Analysis: 25/05/2022-30/05/2022

Result of Chemical Analysis:

Sr. No.	Parameters	Test Method	Unit	Result
Pesticides Residue*				
355	p,p'-DDT	METS-IP-72	mg/kg	ND(DL:0.01)
356	Hexazinone	METS-IP-72	mg/kg	ND(DL:0.01)
357	2,4'-Methoxychlor	METS-IP-72	mg/kg	ND(DL:0.01)
358	Tebuconazole	METS-IP-72	mg/kg	ND(DL:0.01)
359	Resmethrin	METS-IP-72	mg/kg	ND(DL:0.01)
360	Captafol	METS-IP-72	mg/kg	ND(DL:0.01)
361	Piperonyl butoxide	METS-IP-72	mg/kg	ND(DL:0.01)
362	Nitralin	METS-IP-72	mg/kg	ND(DL:0.01)
363	Iprodione	METS-IP-72	mg/kg	ND(DL:0.01)
364	Endrin ketone	METS-IP-72	mg/kg	ND(DL:0.01)
365	Pyridaphenthion	METS-IP-72	mg/kg	ND(DL:0.01)
366	Tetramethrin	METS-IP-72	mg/kg	ND(DL:0.01)
367	Phosmet	METS-IP-72	mg/kg	ND(DL:0.01)
368	Bromopropylate	METS-IP-72	mg/kg	ND(DL:0.01)
369	EPN	METS-IP-72	mg/kg	ND(DL:0.01)
370	Bifenthrin	METS-IP-72	mg/kg	ND(DL:0.01)
371	Methoxychlor	METS-IP-72	mg/kg	ND(DL:0.01)
372	Fenpropathrin	METS-IP-72	mg/kg	ND(DL:0.01)
373	Phenothrin	METS-IP-72	mg/kg	ND(DL:0.01)
374	Tetradifon	METS-IP-72	mg/kg	ND(DL:0.01)
375	Phosalone	METS-IP-72	mg/kg	ND(DL:0.01)
376	Azinphos-methyl	METS-IP-72	mg/kg	ND(DL:0.01)
377	Leptophos	METS-IP-72	mg/kg	ND(DL:0.01)
378	Pyriproxyfen	METS-IP-72	mg/kg	ND(DL:0.01)
379	Mirex	METS-IP-72	mg/kg	ND(DL:0.01)
380	Cyhalothrin, lambda-	METS-IP-72	mg/kg	ND(DL:0.01)
381	Fenarimol	METS-IP-72	mg/kg	ND(DL:0.01)
382	Acrinathrin	METS-IP-72	mg/kg	ND(DL:0.01)
383	Pyrazophos	METS-IP-72	mg/kg	ND(DL:0.01)
384	Azinphos-ethyl	METS-IP-72	mg/kg	ND(DL:0.01)
385	Pyraclufos	METS-IP-72	mg/kg	ND(DL:0.01)
386	cis-Permethrin	METS-IP-72	mg/kg	ND(DL:0.01)
387	trans-Permethrin	METS-IP-72	mg/kg	ND(DL:0.01)
388	Pyridaben	METS-IP-72	mg/kg	ND(DL:0.01)
389	Coumaphos	METS-IP-72	mg/kg	ND(DL:0.01)
390	Prochloraz	METS-IP-72	mg/kg	ND(DL:0.01)





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Date of Analysis: 25/05/2022-30/05/2022

Result of Chemical Analysis:

Sr. No.	Parameters	Test Method	Unit	Result
Pesticides Residue*				
391	Cyfluthrin	METS-IP-72	mg/kg	ND(DL:0.01)
392	Cypermethrin	METS-IP-72	mg/kg	ND(DL:0.01)
393	Flucythrinate	METS-IP-72	mg/kg	ND(DL:0.01)
394	Etofenprox	METS-IP-72	mg/kg	ND(DL:0.01)
395	Acequinocyl	METS-IP-72	mg/kg	ND(DL:0.01)
396	Fluridone	METS-IP-72	mg/kg	ND(DL:0.01)
397	Fenvalerate	METS-IP-72	mg/kg	ND(DL:0.01)
398	tau-Fluvalinate	METS-IP-72	mg/kg	ND(DL:0.01)
399	Deltamethrin	METS-IP-72	mg/kg	ND(DL:0.01)

Results of Microbiological Analysis:

Date of Analysis: 25/05/2022-29/05/2022

Sr. No.	Parameter*1	Test Method	Unit	Result	Specification Limit**
1	Total plate count	ISO 4833-1	CFU/g	1.8×10 ³	10 ⁵
2	Escherichia coli	ISO 16649-2	CFU/g	ND(DL:10)	-
3	Enterobacteriaceae	ISO 21528-2	CFU/g	ND(DL:10)	-
4	Salmonella species	ISO 6579-1; 2020	In 25 g	Absent	0
5	Clostridium perfringens	ISO 7937	CFU/g	ND(DL:10)	10 ²
6	Staphylococcus aureus	ISO 6888-1	CFU/g	ND(DL:10)	10 ²
7	Presumptive bacillus cereus	ISO 7932; 2020	CFU/g	ND(DL:10)	10 ³
8	Yeast and Mould	USFDA BAM Chp.18	CFU/g	ND (DL:20)	10 ⁵
Mycotoxins					
9	Aflatoxin B1	ELISA	ppb	ND(DL:2)	-
10	Total Aflatoxin#	AOAC 990.32	ppb	ND(DL:1.75)	-
11	Ochratoxin A	ELISA	ppb	ND(DL:2.5)	-

Test method deviation: None; Test conducted by: NT/AR/SH; Report prepared by: NT/AV

Note: #Parameter is accredited by GAC in accordance with ISO/IEC 17025:2017

*1Parameter is accredited by EIAC in accordance with ISO/IEC 17025:2017

*Parameter is accredited by IAS in accordance with ISO/IEC 17025:2017

**GSO- GCC Standardization Organization: GSO-1016/2015(E): 7 Microbiological Criteria for food stuffs

Key words: CFU-Colony Forming Units, g-Gram, NG- Not Given, ND-Not Detected/Below Detection Limit, DL-Detection Limit, ISO- International Organization for Standardization, AOAC-Association of official analytical chemist

Remarks: The tested microbiological parameters comply with the given specification limit.

Prepared by

Microbiologist

Biological Science Division (BSD)
Employee Code: METS AJ EC 169

The above test results are only applicable to the sample(s) referred above. This report shall not be reproduced except in full, without the written approval of METS laboratory. For further clarification of reports, please contact qc@metslab.com

-End of Report-

Verified by

Team Head

Chemical Science Division (CSD)
Employee Code: METS AJ EC 149



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