

APSOPCA

O/o Directorate APSSCA, 2nd Floor, LAM
Farm, RARS Premises, Guntur



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ANALYTICAL REPORT

Sample code: EKA1-25-02-07528

Sample Name: Cotton

Sample quantity: 260g

Sample Appearance: White Color Cotton

Condition on receipt: Good

Sample packing: Sealed Polyethylene Pack

Environmental Condition: Not Applicable

Customer provided details: Consignment No. :
Organic/02 | Sample Code : APSOPCA/Organic/003

Received On: 21/02/2025

Analyzed between: 25/02/2025 to 28/02/2025

Sampling Details: Not Sampled By Eureka

Sampling Procedure: Not Applicable

Sampling date: Not Applicable

Sampling Location: Not Applicable

Job File Reference: Not Applicable

Seal No: Not Applicable

Test Results

Sr.No.	Test Code	Test Parameter	Test Method	Result	Unit	LOQ
BIOLOGICAL						
1	E1MI374	NOS Terminator	EKA-MB-SOP-25	Detected	-	0.1%
2	E1MI952	CaMV P35S	EKA-MB-SOP-25	Detected	-	0.1%
3	E1MI951	FMV P34S	EKA-MB-SOP-25	Not Detected	-	0.1%

LOD: Limit of detection

Sr.No.	Test Code	Test Parameter	Test Method	Result	Unit	LOQ
INORGANIC						
4	E1II200	Tin as Sn	EKA-CHE-SOP-47	BLQ	mg/kg	0.1
5	E1II25	Lead as Pb	EKA-CHE-SOP-47	0.078	mg/kg	0.05
6	E1II75	Arsenic as As	EKA-CHE-SOP-47	BLQ	mg/kg	0.05
7	E1II76	Cadmium as Cd	EKA-CHE-SOP-47	BLQ	mg/kg	0.01
8	E1II87	Mercury as Hg	EKA-CHE-SOP-47	BLQ	mg/kg	0.01
9	E1II87	Methyl Mercury as Hg	EKA-CHE-SOP-102	BLQ	mg/kg	0.01
10	E1III97	Copper as Cu	EKA-CHE-SOP-47	1.816	mg/kg	0.5
PESTICIDE						
11	E1RI796	Ethylene Oxide (sum of ethylene oxide and 2-chloro-ethanol expressed as ethylene oxide)	EKA-CHE-SOP-26 by GC-MS/MS	BLQ	mg/kg	0.01
12	-	Nicotine	EKA-CHE-SOP-25	BLQ	mg/kg	0.01
13	-	Fosetyl-Al (sum fosetyl + phosphorous acid and their salts, expressed as fosetyl)	EKA-CHE-SOP-52	BLQ	mg/kg	0.01
14	-	Glyphosate	EKA-CHE-SOP-53	BLQ	mg/kg	0.01

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15	-	Cartap hydrochloride	EKA-CHE-SOP-52	BLQ	mg/kg	0.01
16	-	Dithianon	EKA-CHE-SOP-52	BLQ	mg/kg	0.01
17	-	Ethephon	EKA-CHE-SOP-52	BLQ	mg/kg	0.01
18	-	Mepiquat (sum of mepiquat and its salts, expressed as mepiquat chloride)	EKA-CHE-SOP-52	BLQ	mg/kg	0.01
19	-	Thiocyclam	EKA-CHE-SOP-52	BLQ	mg/kg	0.01
20	-	Dinocap (sum of dinocap isomers and their corresponding phenols expressed as dinocap)	EKA-CHE-SOP-49	BLQ	mg/kg	0.01
21	-	Meptyldinocap	EKA-CHE-SOP-49	BLQ	mg/kg	0.01
22	-	Diquat	EKA-CHE-SOP-54	BLQ	mg/kg	0.01
23	-	Dithiocarbamates (dithiocarbamates expressed as CS ₂ , including maneb, mancozeb, metiram, thiram and ziram)	EKA-CHE-SOP-33	BLQ	mg/kg	0.01
24	-	Chlorantraniliprole	EKA-CHE-SOP-63	0.818	mg/kg	0.01
25	-	Lambda-cyhalothrin (includes gamma-cyhalothrin) (sum of R,S and S,R isomers) (F)	EKA-CHE-SOP-63	0.057	mg/kg	0.01
26	-	Other analysed pesticides	EKA-CHE-SOP-63	BLQ	mg/kg	-

List of molecules analysed by LC-MSMS & GC-MSMS (LOQ-mg/kg)

SL.No.	Parameters Name	LOQ mg/kg	SL.No.	Parameters Name	LOQ mg/kg
1	1-Naphthylacetamide and 1-naphthylacetic acid	0.01	135	Fomesafen	0.01
2	2,4-D	0.01	136	Fenchlorfenuron (CPPU)	0.01
3	4-Bromo-2-chlorophenol (a metabolite of Profenophos)	0.01	137	Fosetyl-Al (sum fosetyl + phosphorous acid and their salts, expressed as fosetyl)	0.01
4	4-Chloro-3-methylphenol	0.01	138	Halosulfuron methyl	0.01
5	6-Benzyl adenine	0.01	139	Haloxypop (Sum of haloxypop, its esters, salts and conjugates expressed as haloxypop (sum of 0.01 the R- and S-isomers at any ratio))	0.01
6	Abamectin	0.01	140	Heptachlor (sum of heptachlor and heptachlor epoxide expressed as heptachlor)	0.01
7	Acephate	0.01	141	Hexachlorocyclohexane (HCH), alpha-isomer	0.01
8	Acetamiprid	0.01	142	Hexachlorocyclohexane (HCH), beta-isomer	0.01
9	Afidopyropen	0.01	143	Hexaconazole	0.01
10	Alachlor	0.01	144	Hexazinone	0.01
11	Aldicarb	0.01	145	Hexythiazox	0.01
12	Aldrin and Dieldrin (Aldrin and dieldrin combined expressed as dieldrin)	0.01	146	Imazamox	0.01
13	Allethrin and Bioallethrin	0.01	147	Imazethapyr	0.01
14	Ametoctradin	0.01	148	Imidacloprid	0.01
15	Ametryn	0.01	149	Indaziflam	0.01
16	Amisulbrom	0.01	150	Indoxacarb (sum of indoxacarb and its R enantiomer)	0.01

17	Anilofos	0.01	151	Iodosulfuron-methyl (sum of iodosulfuron-methyl and its salts, expressed as iodosulfuron-methyl)	0.01
18	Atrazine	0.01	152	Iprobenphos	0.01
19	Azadirachtin	0.01	153	Iprodione	0.01
20	Azimsulfuron	0.01	154	Iprovalicarb	0.01
21	Azoxystrobin	0.01	155	Isoprothiolane	0.01
22	Benalaxyl including other mixtures of constituent isomers including Benalaxyl-M (sum of isomers)	0.01	156	Isoproturon	0.01
23	Bendiocarb	0.01	157	Ivermectin	0.01
24	Benomyl (see carbendazim)	0.01	158	Kresoxim methyl	0.01
25	Bensulfuron-methyl	0.01	159	Lambda-cyhalothrin (includes gamma-cyhalothrin) (sum of R,S and S,R isomers)	0.01
26	Bifenazate (sum of bifenazate plus bifenazate-diazene expressed as bifenazate)	0.01	160	Lindane (Gamma-isomer of hexachlorocyclohexane (HCH))	0.01
27	Bifenthrin (sum of isomers)	0.01	161	Linuron	0.01
28	Bispyribac (sum of bispyribac, its salts and its esters, expressed as bispyribac)	0.01	162	Lufenuron (any ratio of constituent isomers)	0.01
29	Bitertanol (sum of isomers)	0.01	163	Malathion (sum of malathion and malaoxon expressed as malathion)	0.01
30	Boscalid	0.01	164	Mandipropamid	0.01
31	Bupirimate	0.01	165	Matrine & Oxymatrine	0.01
32	Buprofezin	0.01	166	Mepiquat (sum of mepiquat and its salts, expressed as mepiquat chloride)	0.01
33	Butachlor	0.01	167	Meptyldinocap	0.01
34	Captafol	0.01	168	Metaflumizone (sum of E- and Z-isomers)	0.01
35	Captan (Sum of captan and tetrahydrophthalimide, expressed as captan)	0.01	169	Metalaxyl and Metalaxyl-M (metalaxyl including other mixtures of constituent isomers including metalaxyl-M (sum of isomers))	0.01
36	Carbaryl	0.01	170	Metamifop	0.01
37	Carbendazim and benomyl (sum of benomyl and carbendazim expressed as carbendazim)	0.01	171	Metamitron	0.01
38	Carbofuran (sum of carbofuran (including any carbofuran generated from carbosulfan, benfuracarb or furathiocarb) and 3- hydroxy carbofuran expressed as carbofuran)	0.002	172	Methabenzthiazuron	0.01
39	Carboxin (carboxin plus its metabolites carboxin sulfoxide and oxycarboxin (carboxin sulfone), expressed as carboxin)	0.01	173	Methamidophos	0.01
40	Carfentrazone-ethyl (sum of carfentrazone-ethyl and carfentrazone, expressed as carfentrazone-ethyl)	0.01	174	Methomyl	0.01
41	Carpropamid	0.01	175	Methoxyfenazide	0.01
42	Cartap hydrochloride	0.01	176	Metolachlor and S-Metolachlor (metolachlor including other mixtures of constituent isomers including S-metolachlor (sum of isomers))	0.01
43	Chlorantraniliprole	0.01	177	Metrafenone	0.01
44	Chlordane (sum of cis- and trans-chlordane)	0.01	178	Metribuzin	0.01
45	Chlorfenapyr	0.01	179	Monocrotophos	0.01
46	Chlorfenvinphos	0.01	180	Myclobutanil	0.01
47	Chlorfluazuron	0.01	181	Nereistoxin	0.01
48	Chlorimuron-ethyl	0.01	182	Nitenpyram	0.01
49	Chlormequat (CCC)	0.01	183	Novaluron	0.01
50	Chlorothalonil	0.01	184	Omethoate	0.01

51	Chlorpropham	0.01	185	Orthosulfamuron	0.01
52	Chlorpyrifos	0.01	186	Oxadiargyl	0.01
53	Chlorpyrifos-methyl	0.01	187	Oxadiazon	0.01
54	Chromafenozide	0.01	188	Oxathiapiprolin	0.01
55	Cinmethylen	0.01	189	Oxycarboxin	0.01
56	Clethodim (sum of Sethoxydim and Clethodim including degradation products calculated as Sethoxydim)	0.01	190	Oxydemeton- methyl (sum of oxydemeton methyl and demeton-S-methylsulfone expressed as oxydemeton-methyl)	0.01
57	Clofentezine	0.01	191	Oxyfluorfen	0.01
58	Clomazone	0.01	192	Paclobutrazol	0.01
59	Clothianidin	0.01	193	Parathion - methyl (sum of Parathion-methyl and paraoxon- methylexpressed as Parathion -methyl)	0.01
60	Coumachlor	0.01	194	Parathion ethyl	0.01
61	Coumatetralyl	0.01	195	Penconazole	0.01
62	Cyantraniliprole	0.01	196	Pencycuron	0.01
63	Cyazofamid	0.01	197	Pendimethalin	0.01
64	Cyenopyrofen	0.01	198	Penoxsulam	0.01
65	Cyflufenamid (sum of cyflufenamid (Z-isomer) and its E-isomer,expressed as cyflufenamid)	0.01	199	Permethrin (sum of isomers)	0.01
66	Cyflumetofen	0.01	200	Phenthoate	0.01
67	Cyfluthrin (including other mixtures of constituent isomers sum of isomers)	0.01	201	Phorate (sum of phorate, its oxygen analogue and their sulfones expressed as phorate)	0.01
68	Cyhalofop-butyl	0.01	202	Phosalone	0.01
69	Cymoxanil	0.01	203	Phosphamidon	0.01
70	Cypermethrin (cypermethrin including other mixtures of constituent isomers (sum of isomers))	0.01	204	Picoxystrobin	0.01
71	Cyproconazole	0.01	205	Pinoxaden	0.01
72	Cyprodinil	0.01	206	Pirimiphos-methyl	0.01
73	DDT (all isomers, sum of p,p'-DDT, o,p'-DDT, p,p'-DDE and p,p'-TDE (DDD) expressed as DDT)	0.01	207	Pretilachlor	0.01
74	Deltamethrin (cis-deltamethrin)	0.01	208	Profenophos	0.01
75	Diafenthiuron	0.01	209	Propamocarb	0.01
76	Diazinon	0.01	210	Propanil	0.01
77	Dichlorvos	0.01	211	Propargite	0.01
78	Diclofop (sum diclofop-methyl and diclofop acid expressed as diclofop-methyl)	0.01	212	Propetamphos	0.01
79	Diclosulam	0.01	213	Propiconazole (sum of isomers)	0.01
80	Dicofol (sum of p,p' and o,p' isomers)	0.01	214	Propoxur	0.01
81	Dieldrin (see Aldrin)	0.01	215	Pymetrozine	0.01
82	Difenoconazole	0.01	216	Pyraclostrobin	0.01
83	Diflubenzuron	0.01	217	Pyrazosulfuron-ethyl	0.01
84	Dimethoate	0.01	218	Pyridaben	0.01
85	Dimethomorph (sum of isomers)	0.01	219	Pyridalyl	0.01
86	Dinocap (sum of dinocap isomers and their corresponding phenols expressed as dinocap) (Where only meptyldinocap or its corresponding phenol are detected but none of the other components constituting dinocap (including their corresponding phenols), the MRLs and residue definition of meptyldinocap are to be applied)	0.01	220	Pyriproxyfen	0.01
87	Dinotefuran	0.01	221	Pyriothiobac-sodium	0.01
88	Diquat	0.01	222	Pyroxasulfone	0.01
89	Dithianon	0.01	223	Quinalphos	0.01

90	Dithiocarbamates (dithiocarbamates expressed as CS ₂ , including maneb, mancozeb, metiram, thiram and ziram)	0.01	224	Quinoxifen	0.01
91	Diuron	0.01	225	Simazine	0.01
92	Dodine	0.01	226	Spinetoram (sum of spinetoram-J and spinetoram-L)	0.01
93	Edifenphos	0.01	227	Spinosad (sum of Spinosyn A+D)	0.01
94	Emamectin benzoate B1a, expressed as emamectin	0.01	228	Spirodiclofen	0.01
95	Endosulphan (All isomers, sum of <i>alpha</i> - and <i>beta</i> -isomers and endosulphan sulphate expressed as endosulphan)	0.01	229	Spiromesifen	0.01
96	Endrin	0.01	230	Spirotetramat and spirotetramat-enol (sum of), expressed as spirotetramat	0.01
97	Epoxiconazole	0.01	231	Sulfentrazone	0.01
98	Ethephon	0.01	232	Sulfosulfuron	0.01
99	Ethion	0.01	233	Sulfoxaflor (sum of isomers)	0.01
100	Ethiprole	0.01	234	<i>tau</i> -Fluvalinate	0.01
101	Ethofenprox (Etofenprox)	0.01	235	Tebuconazole	0.01
102	Ethoxysulfuron	0.01	236	Tembotrione (Sum of parent tembotrione and its metabolite (4,6- dihydroxy tembotrione), expressed as tembotrione)	0.01
103	Ethylene oxide (sum of ethylene oxide and 2-chloroethanol expressed as ethylene oxide)	0.01	237	Temephos	0.01
104	Etioazole	0.01	238	Tetraconazole	0.01
105	Etrimfos	0.01	239	Thiabendazole	0.01
106	Famoxadone	0.01	240	Thiacloprid	0.01
107	Fenamidone	0.01	241	Thiamethoxam	0.01
108	Fenarimol	0.01	242	Thifluzamide	0.01
109	Fenazaquin	0.01	243	Thiobencarb (4-chlorobenzyl methylsulfone)	0.01
110	Fenhexamid	0.01	244	Thiocyclam	0.01
111	Fenitrothion	0.01	245	Thiodicarb	0.01
112	Fenobucarb	0.01	246	Thiometon	0.01
113	Fenoxaprop-p	0.01	247	Thiophanate-methyl	0.01
114	Fenpropathrin	0.01	248	Tolfenpyrad	0.01
115	Fenpyroximate	0.01	249	Topramezone	0.01
116	Fenthion (fenthion and its oxygen analogue, their sulfoxides and sulfone expressed as parent)	0.01	250	Transfluthrin	0.01
117	Fenvalerate (any ratio of constituent isomers (RR, SS, RS & SR) including esfenvalerate)	0.01	251	Triadimefon	0.01
118	Fipronil (sum of fipronil + sulfone metabolite (MB46136) expressed as fipronil)	0.005	252	Triadimenol	0.01
119	Flonicamid (sum of flonicamid, TNFG and TNFA expressed as flonicamid)	0.01	253	Triafamone	0.01
120	Fluazifop-P (sum of all the constituent isomers of fluazifop, its esters and its conjugates, expressed as fluazifop)	0.01	254	Tri-allate	0.01
121	Flubendiamide	0.01	255	Triasulfuron	0.01
122	Flucetosulfuron	0.01	256	Triazophos	0.01
123	Fluchloralin	0.01	257	Trichlorfon	0.01
124	Fluensulfone	0.01	258	Tricyclazole	0.01
125	Flufenacet (sum of all compounds containing the N-fluorophenyl-N-isopropyl moiety expressed as flufenacet equivalent)	0.01	259	Tridemorph	0.01
126	Flufenoxuron	0.01	260	Trifloxystrobin	0.01
127	Flufenzin	0.01	261	Triflumezopyrim	0.01
128	Flumioxazine	0.01	262	Triflumizole	0.01

129	Fluopicolide	0.01	263	Trifluralin	0.01
130	Fluopyram	0.01	264	Validamycin	0.01
131	Flupyradifurone	0.01	265	Zoxamide	0.01
132	Flusilazole	0.01	266	Glyphosate	0.01
133	Fluthiacet-methyl	0.01	267	Nicotine	0.01
134	Fluxapyroxad	0.01			

LOQ: Limit of Quantification ,

BLQ: Below Limit of Quantification.

Sample Remark /Conclusion: The above analysed sample is not in accordance to the requirements of National Program for organic Production (NPOP)-APEDA and in its currently valid version.

Note: Conclusion is provided with reference to tested analytes only

Mr Varaprasad A Babu

Authorised Signatory

Chemical

Dr. Bharath M R

Authorised Signatory

Biological

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***** END OF REPORT *****