

VISWAAT CHEMICALS LTD

Plot No. D-3/10, GIDC Industrial Area, Dahej
Taluka (wagra) Dist-Bharuch, (Gujrat)-
392130



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ANALYTICAL REPORT

Sample Code: EKA1-2023-08-002985

Sample Name: Polysorbate 80 S

Sample quantity: 500g

Sample Appearance: Pale Yellow Colored Thick Liquid

Condition on receipt: Good

Sample packing: Plastic Container

Environmental Condition: Not Applicable

Customer provided details: Batch No: D230611926 |

P.O No: 130104 | Date: 07-08-23

Received On: 14/08/2023

Analyzed between: 16/08/2023 to 21/08/2023

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	FSSAI Limit
BIOLOGICAL							
1	E1MI04	<i>Escherichia coli</i>	ISO 16649-2:2001	<10	Cfu /g	-	-
2	E1MI446	<i>Yeast - Total</i>	ISO 21527 (Part 2) : 2008	<10	Cfu /g	-	-
3	E1MI447	<i>Mould</i>	ISO 21527 (Part 2) : 2008	<10	Cfu /g	-	-
4	E1MI412	<i>Aerobic Plate Count</i>	ISO 4833-1:2013 AMD 2022	<10	Cfu /g	-	-
5	E1MI21	<i>Salmonella spp</i>	ISO 6579-1:2017 Amd 2020.	Absent	/25g	-	-
INORGANIC							
6	E1II90	Nickel	EKA-CHE-SOP-47	BLQ	mg/kg	0.1	-
7	E1II200	Tin as Sn	EKA-CHE-SOP-47	BLQ	mg/kg	0.1	Max. 250
8	E1II198	Methyl mercury	EKA-CHE-SOP-102	BLQ	mg/kg	0.05	Max. 0.25
9	E1II75	Arsenic as As	EKA-CHE-SOP-47	BLQ	mg/kg	0.05	Max. 1.1
10	E1II25	Lead as Pb	EKA-CHE-SOP-47	BLQ	mg/kg	0.05	Max. 2.5
11	E1II76	Cadmium as Cd	EKA-CHE-SOP-47	BLQ	mg/kg	0.01	Max. 1.5
12	E1II87	Mercury as Hg	EKA-CHE-SOP-47	BLQ	mg/kg	0.01	Max. 1.0
13	E1II451	Zinc	EKA-CHE-SOP-47	BLQ	mg/100g	0.05	-
14	E1II197	Copper as Cu	EKA-CHE-SOP-47	BLQ	mg/kg	0.5	Max. 30
15	E1II365	Copper Oxide as Cu	EKA-CHE-SOP-47	BLQ	mg/kg	0.5	Max. 30
16	E1II366	Copper Sulphate as Cu	EKA-CHE-SOP-47	BLQ	mg/kg	0.5	Max. 30
17	E1II364	Copper Hydroxide as Cu	EKA-CHE-SOP-47	BLQ	mg/kg	0.5	Max. 30
MYCOTOXINS							
18	E1MTI03	Aflatoxin B1	EKA-CHE-SOP-55	BLQ	µg/kg	0.5	-
19	E1MTI08	Aflatoxin B2	EKA-CHE-SOP-55	BLQ	µg/kg	0.5	-
20	E1MTI13	Aflatoxin G1	EKA-CHE-SOP-55	BLQ	µg/kg	0.5	-
21	E1MTI18	Aflatoxin G2	EKA-CHE-SOP-55	BLQ	µg/kg	0.5	-
22	E1MTI24	Total Aflatoxins (Sum of aflatoxins B1, B2, G1, G2)	EKA-CHE-SOP-55	BLQ	µg/kg	0.5	-

Eureka Analytical Services Pvt Ltd,

AB Square, #617, 5th Main, OMBR Layout, Kasturi Nagar main road, Banaswadi Bangalore-560043

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NOTS (Naturally occurring Toxic substances)

23	E1KI01	Agaric acid	EKA-CHE-SOP-61	<10.0	mg/kg	10	-
24	E1KI04	Hydrocyanic acid	AOAC 920.144	Absent	-	-	Absent

OTHER CONTAMINANTS

25	E1OCI02	Melamine	EKA-CHE-SOP-58	BLQ	mg/kg	0.1	Max. 2.5
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PESTICIDE

26	-	Fosetyl-Al (sum, fosetyl-Al and phosphonic acid)	EKA-CHE-SOP-52	BLQ	mg/kg	0.01	-
27	-	Chlormequat		BLQ	mg/kg	0.01	-
28	-	Cartap		BLQ	mg/kg	0.01	-
29	-	Phosponic acid		BLQ	mg/kg	0.01	-
30	-	Dithiocarbamates CS2	EKA-CHE-SOP-33	BLQ	mg/kg	0.01	-
31	-	Glyphosate	EKA-CHE-SOP-53	BLQ	mg/kg	0.01	-
32	-	Glufosinate- ammonium		BLQ	mg/kg	0.01	-
33	-	Paraquat	EKA-CHE-SOP-54	BLQ	mg/kg	0.01	-
34	-	Dinocap	EKA-CHE-SOP-49	BLQ	mg/kg	0.01	-
35	E1II366	Copper Sulphate as Cu	EKA-CHE-SOP-47	BLQ	mg/kg	0.5	Max. 30
36	E1II364	Copper Hydroxide as Cu	EKA-CHE-SOP-47	BLQ	mg/kg	0.5	Max. 30
37	E1II197	Copper as Cu	EKA-CHE-SOP-47	BLQ	mg/kg	0.5	Max. 30
38	E1II365	Copper Oxide as Cu	EKA-CHE-SOP-47	BLQ	mg/kg	0.5	Max. 30
39	-	Triacantanol	EKA-CHE-SOP-134	BLQ	mg/kg	0.01	-
40	-	Other Analyzed Pesticides	EKA-CHE-SOP-63	BLQ	mg/kg	-	-

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

SL.No	Parameter Name	LOQ mg/kg	SL.No	Parameter Name	LOQ mg/kg
1	2,4-DichlorophenoxyAceticAcid	0.01	118	Metalaxyl-M	0.01
2	Acephate	0.01	119	Methabenzthiazuron	0.01
3	Acetamiprid	0.01	120	Methomyl	0.01
4	Alachlor	0.01	121	Methyl Chlorophenoxy Acetic Acid (MCPA)	0.01
5	Alpha cypermethrin	0.01	122	Methyl Parathion	0.01
6	Alpha naphthyl Acetic Acid	0.01	123	Metolachlor	0.01
7	Ametroctradin	0.01	124	Metribuzin	0.01
8	Anilophos	0.01	125	Metsulfuron Methyl	0.01
9	Atrazine	0.01	126	Monocrotophos	0.01
10	Azimsulfuron	0.01	127	Myclobutanil	0.01
11	Azoxystrobin	0.01	128	Novaluron	0.01
12	Benfuracarb	0.01	129	Orthosulfamuron	0.01
13	Sum of benomyl and carbendazim expressed as carbendazim	0.01	130	Oxadiargyl	0.01
14	Bensulfuron Methyl	0.01	131	Oxydemeton-Methyl	0.01
15	Beta Cyfluthrin	0.01	132	Oxyfluorfen	0.01
16	Bifenthrin	0.01	133	Paclobutrazol	0.01
17	BispyribacSodium	0.01	134	Paraquat dichloride	0.01
18	Bitertanol	0.01	135	Penconazole	0.01
19	Buprofezin	0.01	136	Pencycuron	0.01
20	Butachlor	0.01	137	Pendimethalin	0.01
21	Captan	0.01	138	Penoxuslum	0.01
22	Carbaryl	0.01	139	Permethrin	0.01
23	Carbendazim	0.01	140	Phenthoate	0.01
24	Carbofuran	0.002	141	Phorate	0.01

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25	Carbosulfan	0.01	142	Phosalone	0.01
26	CarfentrazoneEthyl	0.01	143	Picoxystrobin	0.01
27	Carpropamid	0.01	144	Pinoxaden	0.01
28	Cartap Hydrochloride	0.01	145	Pretilachlor	0.01
29	Chlorantraniliprole	0.01	146	Pirimiphos-methyl	0.01
30	Chlorfenapyr	0.01	147	Profenofos	0.01
31	Chlorfluazuron	0.01	148	Prohexadione calcium	0.01
32	Chlorimuronethyl	0.01	149	Propaquizafop	0.01
33	Chlormequat Chloride (CCC)	0.01	150	Propargite	0.01
34	Chlorothalonil	0.01	151	Propiconazole	0.01
35	Chlorpropham	0.01	152	Propineb	0.01
36	Chlorpyrifos	0.01	153	Pyraclostrobin	0.01
37	Chlothianidin	0.01	154	Pyrazosulfuron ethyl	0.01
38	Chromafenozide	0.01	155	Pyridalyl	0.01
39	Clodinafop-propargyl	0.01	156	Pyriproxyfen	0.01
40	Clomazone	0.01	157	Pyrithiolac Sodium	0.01
41	Copper Hydroxide (Copper determined as elemental copper)	0.1	158	Pymetrozine	0.01
42	Copper Oxychloride (Copper determined as elemental copper)	0.1	159	Quinalphos	0.01
43	Copper Sulphate (Copper determined as elemental copper)	0.1	160	Quizalofopethyl	0.01
44	Cuprous Oxide (Copper determined as elemental copper)	0.1	161	Quizalofop-P-tefuryl	0.01
45	Cyantranilipole	0.01	162	Spinosad	0.01
46	Cyazofamid	0.01	163	Spiromesifen	0.01
47	Cyhalofop-butyl	0.01	164	Sulfosulfuron	0.01
48	Cymoxanil	0.01	165	Tebuconazole	0.01
49	Cypermethrin	0.01	166	Thiacloprid	0.01
50	Deltamethrin	0.01	167	Thifluzamide	0.01
51	Diafenthiuron	0.01	168	Thiodicarb	0.01
52	Dichlorvos	0.01	169	Thiamethoxam	0.01
53	Diclofop	0.01	170	Thiometon	0.01
54	Diclosulam	0.01	171	Thiophanate-Methyl	0.01
55	Dicofol	0.01	172	Tolfenpyrad	0.01
56	Difenoconazole	0.01	173	Trichlorfon	0.01
57	Diiflubenzuron	0.01	174	Triadimefon	0.01
58	Dimethoate	0.01	175	Trifloxystrobin	0.01
59	Dimethomorph	0.01	176	Triallate	0.01
60	Dinocap	0.01	177	Triasulfuron	0.01
61	Dinotefuran	0.01	178	Triazophos	0.01
62	Dithianon	0.01	179	Tricyclazole	0.01
63	Dithiocarbamates as CS2	0.01	180	Tridemorph	0.01
64	Diuron	0.01	181	Trifluralin	0.01
65	Dodine	0.01	182	Validamycin	0.01
66	Edifenphos	0.01	183	Fluopicolide	0.01
67	Emamectin Benzoate	0.01	184	Tembotrione	0.01
68	Epoxyconazole	0.01	185	Propanil	0.01
69	Ethephon	0.01	186	Fluopyram and its metabolites	0.01
70	Ethion	0.01	187	Topramezone	0.01

71	Ethofenprox	0.01	188	Thiocyclam Hydrogen Oxalate	0.01
72	Ethoxysulfuron	0.01	189	2,4-D Amine Salt	0.01
73	Etoxazole	0.01	190	Ametyrn	0.01
74	Famoxadone	0.01	191	Fomesafen	0.01
75	Fenamidone	0.01	192	Imazamox	0.01
76	Fenarimol	0.01	193	Spinetoram and its metabolites	0.01
77	Fenazaquin	0.01	194	Bentazone	0.01
78	Fenobucarb	0.01	195	Cyflumetofen	0.01
79	Fenoxaprop-p-ethyl	0.01	196	Boscalid	0.01
80	Fenpropathrin	0.01	197	Flucetosulfuron	0.01
81	Fenpyroximate	0.01	198	Haloxyp-RMethyl	0.01
82	Fenvalerate	0.01	199	Sulfentrazone and its metabolite Desmethylsulfentrazone and 3-Hydroxymethylsulfentrazone	0.01
83	Fipronil	0.005	200	Spirotetramat	0.01
84	Flonicamid	0.01	201	Metrafenone	0.01
85	Fluazifop-p-butyl	0.01	202	Fluxapyroxad	0.01
86	Flubendiamide	0.01	203	Tetraconazole	0.01
87	Fluchloralin	0.01	204	Abamectin	0.01
88	Flufenacet	0.01	205	Flupyradifurone and its metabolites Difluroacetic Acid and Difluroethylamino-furanone	0.01
89	Flusilazole	0.01	206	Sulfoxaflor	0.01
90	Fluvalinate	0.01	207	Ferbam as CS2	0.01
91	Forchlorfenuron	0.01	208	Oxadiazon	0.01
92	Fosetyl-Al	0.01	209	Cinmethylen	0.01
93	Glufosinate Ammonium	0.01	210	Triacntanol	0.01
94	Glyphosate	0.01	211	Milbemectin	0.01
95	Halosulfuron methyl	0.01	212	Sodium Aceflurofen	0.01
96	Hexaconazole	0.01	213	Sodium Para Nitro Phenolate	0.01
97	Hexazinone	0.01	214	Banned pesticides	0.01
98	Hexythiazox	0.01			
99	Iodosulfuron Methyl Sodium	0.01	215	Aldicarb	0.01
100	Imazethapyr	0.01	216	Aldrin, dieldrin	0.01
101	Imidacloprid	0.01	217	Chlordane	0.01
102	Indoxacarb	0.01	218	Heptachlor	0.01
103	Iprobenfos	0.01	219	Lindane Gamma-HCH	0.01
104	Iprodione	0.01	220	Endosulfan	0.01
105	Isoprothiolane	0.01	221	Carbofuran	0.01
106	Isoproturon	0.01	222	Methomyl	0.01
107	Kasugamycin	0.01	223	Phosphamidon	0.01
108	Kresoxim Methyl	0.01	224	Captafol 8	0.01
109	Lambda cyhalothrin	0.01	225	Formothion	0.01
110	Linuron	0.01	226	Simazine	0.01
111	Lufenuron	0.01	227	Diazinon	0.01
112	Malathion	0.01	228	D.D.T	0.01
113	Mandipropamid	0.01	229	Fenitrothion	0.01
114	Mepiquat Chloride	0.01	230	Fenthion	0.01
115	Mesosulfuron Methyl	0.01	231	Methyl Parathion	0.01
116	Metaflumizone	0.01	232	Ethyl Parathion	0.01

LOQ: Limit of Quantification,

BLQ: Below Limit of Quantification.

Sample Remark /Conclusion: The analysed sample is in accordance to FSSR (Food Safety and Standards (Food Products Standards and Food Additives) Regulations, 2011, in its currently valid version, wherever limits are available.

Tolerance limit of 0.01 mg/kg shall apply in cases of pesticides for which MRL have not been fixed

Note: Conclusion is provided with reference to tested analytes only.



Mr Sivabalan

Authorised Signatory

Chemical



Dr. Bharath M R

Authorised Signatory

Biological

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

VISWAAT CHEMICALS LTD

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Sample packing: Plastic Container

Environmental Condition: Not Applicable

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Job File Reference: Not Applicable

Seal No: Not Applicable

Test Results

Sr.No.	Test Code	Test Parameter	Test Method	Result	Unit	LOQ	FSSAI Limit
CHEMICAL							
1	E1NI840	Sulphur dioxide	EKA-CHE-SOP-120	<10.0	mg/kg	10	-
PESTICIDE							
2	-	Hydrogen Cyanamide	EKA-CHE-SOP-155	<10	µg/kg	10	-

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