



**Form VII A**  
**Report of the Food Analyst**  
[See rule 2.4.2(5) and 2.4.4(6)]

**Test Report Number :** INHYD24087151202042632  
**BV Sample ID:** 1774431

**ULR No.:** TC504024000036001F

**Report Issue Date:** 02 Dec 2024  
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**Chemical & Biological Testing**

**Group:** Food & Agricultural Products, Residues in food Products

To,  
Food Safety and Standards Authority of India,  
03rd & 04th Floor, FDA Bhawan,  
Kotla Road near Bal Bhawan,  
New Delhi - 110002 India.

Certified that I **Ch. Raja Sekhar Reddy** duly appointed under the provisions of Food Safety and Standard Act, 2006 (34 of 2006) for **Hyderabad, Telangana** area, received from **Common Servicess Center** a sample of **Black Pepper Whole**, bearing Bar Code number: **H7z6ZY** and Sample Tag No: **AG2561** of **Nirmal District**, area on **23-11-2024** for analysis.

The condition of seals on the container and the outer covering on receipt was as follows:

The sample is properly sealed and fastened and that I found the seal intact and unbroken. The seal fixed on the container and outer cover of the sample and tallied with specimen impression of the seal separately sent by the Food Safety Officer.

I found the sample to be **2.9 SALT, SPICES, CONDIMENTS AND RELATED PRODUCTS** (Category of sample)  
falling under regulation No. **2.9.15.2.A of Food Safety and Standards (Food Products standards and Food Additive) Regulations, 2011.**

The sample was in a condition fit for analysis and has been analysed on **25 Nov 2024** to **30 Nov 2024** and the result of its is given below /  
~~was not in a condition fit for analysis for the reason below:~~

Reason: **Not Applicable**

**Analysis Report:**

1	Sample Description	Black Pepper Whole (Loose)
2	Physical Appearance	Black Colour Pepper Whole
3	Labeling Requirements	Nil
I	Volume /Weight	500 gms X 1 No's
II	Lot /Code /Batch No	Not Applicable
III	Date of manufacturing /Packing	Not Applicable
IV	Best Before & Use by Date	Not Applicable
V	Manufacturer Name	Not Applicable

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[See rule 2.4.2(5) and 2.4.4(6)]

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**Chemical & Biological Testing**

**Group:** Food & Agricultural Products, Residues in food Products

**TEST RESULTS**

Sr. No.	Quality characteristics	Name of method of test used	Results	Prescribed standards as per FSSR 2011
<b>Microbiological Analysis (Discipline: Biological)</b>				
1	Bacterial Count (Aerobic Microbial Count)	IS 5402 (P.1): 2021	270000 cfu/g	M = 1x10 <sup>7</sup>
2	Yeast & Moulds	IS 5403: 1999	3500 cfu/g	M = 1x10 <sup>5</sup>
3	Staphylococcus Aureus	IS 5887 (P-8/Sec-1) : 2023	<10 (LOQ:10 cfu/g)	M = 1x10 <sup>3</sup>
4	Salmonella	IS 5887 (P.3)sec.1 : 2020	Absent	Absent
5	Aerobic Spore Count(Bacillus Cereus)	IS 5887 (P.6) : 2012	<10 (LOQ:10 cfu/g)	M = 1x10 <sup>4</sup>
<b>Chemical Parameters (Discipline: Chemical)</b>				
6	Total ash (ODB)	FSSAI Manual - Spices & Condiments Method No:FSSAI 10.006: 2021	5.56 %	7.0 max
7	Acid insoluble ash (ODB)	FSSAI Manual - Spices & Condiments Method No:FSSAI 10.007: 2021	0.28 %	1.5 max
8	Moisture	FSSAI Manual - Spices & Condiments Method No:FSSAI 10.003:2021	12.04 %	13.0 max
9	Non Volatile Ether Extract (ODB)	FSSAI Manual - Spices & Condiments Method No:FSSAI 10.012: 2021	8.94 %	6.0 min
10	Piperine(ODB)	FSSAI Manual - Spices & Condiments Method No:FSSAI 10.020: 2021	6.72 %	2.0 min
11	Bulk Density	FSSAI Manual - Spices & Condiments Method No:FSSAI 10.018: 2021	474 gm/L	400 min
12	Light Berries (Seeds)	FSSAI Manual - Spices & Condiments Method No:FSSAI 10.019: 2021	3.87 %	10.0 max
13	Extraneous Matter (Foreign Matter)	FSSAI Manual - Spices & Condiments Method No:FSSAI 10.002:2021	BLQ (LOQ:0.01 %)	0.5 max
14	Other Refractions (Pinheads or broken berries)	FSSAI Manual - Spices & Condiments Method No:FSSAI 10.002:2021	BLQ (LOQ:0.01 %)	4.0 max
15	Other Refractions (Mouldy Berries)	FSSAI Manual - Spices & Condiments Method No:FSSAI 10.002:2021	BLQ (LOQ:0.01 %)	3.0 max

**Sl.No.:**

**352457**

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Sr. No.	Quality characteristics	Name of method of test used	Results	Prescribed standards as per FSSR 2011
16	Other Refractions(Insect Defiled berries/Corns)	FSSAI Manual - Spices & Condiments Method No:FSSAI 10.002:2021	BLQ (LOQ:0.01 %)	2.0 max
17	Other Refraction (Extraneous Vegetable Matter)	FSSAI Manual - Spices & Condiments Method No:FSSAI 10.002:2021	0.32 %	2.0 max
18	Papaya Seeds	FSSAI Manual - Spices & Condiments Method No:FSSAI 10.024: 2021	Absent	Not Specified
<b>Pesticide Residues (Discipline: Chemical)</b>				
19	Metalaxyl M	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.5 max
20	1-Naphthylacetic acid	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
21	2,4 D	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
22	2,4 D Amine Salt	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
23	Acephate	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
24	Acetamiprid	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
25	Alachlor	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
26	Ametoctradin	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
27	Anilfos	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
28	Atrazine	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
29	Azimsulfuron	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
30	Azoxystrobin	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
31	Ametryn	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
32	Abamectin	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
33	Benfurcarb	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
34	Benomyl	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
35	Bensulfuron Methyl	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
36	Bifenthrin	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
37	Bispyribac	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
38	Bitertanol	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
39	Buprofezin	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
40	Butachlor	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
41	Bentazone	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
42	Boscalid	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
43	Captan	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
44	Carbaryl	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
45	Carbendazim	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
46	Carbofuran	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
47	Carbosulfan	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
48	Carfentrazone-ethyl	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
49	Carpropamid	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
50	Cartap	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
51	Chlorantraniliprole	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
52	Chlorfenapyr	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
53	Chlorfluazuron	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
54	Chlorimuron ethyl	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max

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Sr. No.	Quality characteristics	Name of method of test used	Results	Prescribed standards as per FSSR 2011
55	Chlormequat chloride	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
56	Chlorothalonil	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
57	Chlorpropham	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
58	Chloropyrifos	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
59	Chlothianidin	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
60	Chromafenozide	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
61	Cinmethylene	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
62	Clodinafop Propargyl	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
63	Clomazone	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
64	Cyantranilipole	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
65	Cyazofamid	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
66	Cyhalofop-butyl	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
67	Cymoxanil	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
68	Cypermethrin I	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
69	Cypermethrin II	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
70	Cypermethrin III	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
71	Cypermethrin IV	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
72	Copper oxychloride (Copper determined as elemental copper)	BVTS/FOOD/INS/SOP-028	7.03 mg/kg	30 max
73	Copper Hydroxide (Copper determined as elemental copper)	BVTS/FOOD/INS/SOP-028	7.03 mg/kg	30 max
74	Copper Sulphate (Copper determined as elemental copper)	BVTS/FOOD/INS/SOP-028	7.03 mg/kg	30 max
75	Cuprous Oxide (Copper determined as elemental copper)	BVTS/FOOD/INS/SOP-028	7.03 mg/kg	30 max
76	Cyflumetofen	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
77	Cyhalothrin Lambda	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
78	Cyfluthrin II (Beta Cyfluthrin)	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
79	Deltamethrin	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
80	Diafenthion	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
81	Dichlorvos	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
82	Diclofop Methyl	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
83	Diclosulam	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
84	Dicofol- 1	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
85	Dicofol -2	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
86	Difenoconazole	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
87	Diflubenzuron	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
88	Dimethoate	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
89	Dimethomorph	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
90	Dinocap	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
91	Dinotefuron	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
92	Dithianon	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max

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Sr. No.	Quality characteristics	Name of method of test used	Results	Prescribed standards as per FSSR 2011
93	Dithiocarbamates as CS2	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	2 max
94	Diuron	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
95	Dodine	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
96	Edifenphos	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
97	Emamectin benzoate B1a expressed as emamectin	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
98	Epoxiconazole	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
99	Ethephon	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
100	Ethion	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
101	Ethofenprox	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
102	Ethoxysulfuron	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
103	Etoxazole	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
104	Famoxadone	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
105	Fenamidone	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
106	Fenarimol	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
107	Fenazaquin	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
108	Fenobucarb	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
109	Fenoxaprop-p-ethyl	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
110	Fenpropathrin	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
111	Fenpyroximate	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
112	Fenvalerate I	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
113	Fenvalerate II	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
114	Fipronil	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
115	Flonicamid	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
116	Fluazifop-P	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
117	Flubendiamide	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
118	Fluchloralin	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
119	Flufenacet	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
120	Flusilazole	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
121	Fluvalinate Tau I	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
122	Fluvalinate Tau II	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
123	Forchlorfenuron	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
124	Fosetyl-Al	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
125	Fomesafen	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
126	Fluopicolide	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
127	Fluopyram	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
128	Flucetosulfuron	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
129	Fluxapyroxad	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
130	Flupyradifurone	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
131	Glufosinate Ammonium	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
132	Glyphosate	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
133	Halosulfuron-methyl	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
134	Hexaconazole	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
135	Hexazinone	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
136	Hexythiazox	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max

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Sr. No.	Quality characteristics	Name of method of test used	Results	Prescribed standards as per FSSR 2011
137	Haloxypop-R	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
138	Iodosulfuron Methyl	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
139	Imazathapyr	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
140	Imidacloprid	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
141	Indoxacarb	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
142	Iprobenphos	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
143	Iprodione	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
144	Isoprothiolane	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
145	Isoproturon	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
146	Imazamox	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
147	Kasugamycin	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
148	Kresoxim-methyl	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
149	Linuron	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
150	Lufenuron	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
151	Malathion	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
152	Mandipropamid	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
153	Mepiquat	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
154	Metaflumizone	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
155	Metalaxyl	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
156	Methabenzthiazuron	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
157	MCPA	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
158	Metolachlor	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
159	Methomyl	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
160	Metribuzin	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
161	Metsulfuron Methyl	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
162	Monocrotophos	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
163	Milbemectin A3	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
164	Milbemycin A4	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
165	Myclobutanil	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
166	Metrafenone	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
167	Novaluron	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
168	Orthosulfamuron	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
169	Oxadiargyl	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
170	Oxadiazon	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
171	Oxydementon methyl	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
172	Oxyfluorfen	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
173	Paclobutrazol	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
174	Paraquat	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
175	Penconazole	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
176	Pencycuron	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
177	Pendimethalin	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
178	Penoxusulam	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
179	Permethrin I	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max

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Sr. No.	Quality characteristics	Name of method of test used	Results	Prescribed standards as per FSSR 2011
180	Permethrin II	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
181	Phenthoate	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
182	Phorate	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
183	Phosalone	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
184	Picoxystrobin	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
185	Pinoxaden	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
186	Pretilachlor	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
187	Pirimiphos methyl	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
188	Profenofos	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
189	Prohexadione calcium	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
190	Propaquizafop	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
191	Propargite	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
192	Propiconazole	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
193	Pyraclostrobin	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
194	Pyrazosulfuron ethyl	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
195	Pyridalyl	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
196	Pyriproxifen	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
197	Pyriothiobac Sodium	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
198	Pymetrozine	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
199	Propanil	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
200	Quinolphos	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
201	Quizalofop	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
202	Quizalofop-P- tefury	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
203	Spinosad A	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
204	Spinosad D	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
205	Spiromesifen	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
206	Sodium Aceflourofen	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
207	Sulfosulfuron	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
208	Spinetoram	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
209	Sulfentrazone	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
210	Spirotetramat	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
211	Sulfoxaflor	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
212	Tebuconazole	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
213	Thiacloprid	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
214	Thifluzamide	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
215	Thiodicarb	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
216	Thiamethoxam	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
217	Thiometon	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
218	Thiophanate-methyl	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
219	Tolfenpyrad	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
220	Triadimefon	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
221	Trichlorfon	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
222	Trifloxystrobin	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
223	Triallate	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max

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Sr. No.	Quality characteristics	Name of method of test used	Results	Prescribed standards as per FSSR 2011
224	Triasulfuron	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
225	Triazophos	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
226	Tricyclazole	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
227	Tridemorph	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
228	Trifluralin	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
229	Tembotrine	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
230	Topramezone	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
231	Thiocyclam	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
232	Tetraconazole	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
233	Triacantanol	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
234	Validamycin	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
235	Propineb	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
236	Parathion methyl	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
237	Aldicarb	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
238	Aldrin	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
239	Dieldrin	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
240	Chlordane Cis	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
241	Chlordane trans	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
242	Heptachlor	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
243	Endosulfan alpha	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
244	Endosulfan beta	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
245	Endosulfan sulfate	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
246	Phosphamidon	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
247	Captafol	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
248	Formothion	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
249	Simazine	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
250	Diazinon	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
251	DDD -O,P	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
252	DDD -P,P	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
253	DDE - O,P	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
254	DDE -P,P	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
255	DDT - O,P	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
256	DDT - P,P	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
257	BHC Gamma	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
258	Fenitrothion	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
259	Fenthion	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
260	Parathion ethyl	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
<b>Metals &amp; Minerals (Discipline: Chemical)</b>				
261	Arsenic	BVTS/FOOD/INS/SOP-28	BLQ (LOQ:0.01 mg/kg)	5.0 max
262	Cadmium	BVTS/FOOD/INS/SOP-28	BLQ (LOQ:0.01 mg/kg)	1.5 max
263	Copper	BVTS/FOOD/INS/SOP-28	7.03 mg/kg	30 max





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Sr. No.	Quality characteristics	Name of method of test used	Results	Prescribed standards as per FSSR 2011
264	Lead	BVTS/FOOD/INS/SOP-28	0.10 mg/kg	10 max
265	Mercury	BVTS/FOOD/INS/SOP-28	BLQ (LOQ:0.01 mg/kg)	1.0 max
266	Tin	BVTS/FOOD/INS/SOP-28	BLQ (LOQ:0.01 mg/kg)	250 max
<b>Crop Contaminants (Discipline: Chemical)</b>				
267	Aflatoxin B1	BVTS/FOOD/INS/SOP-041	BLQ (LOQ:0.5 µg/kg)	15 max
268	Total Aflatoxin (B1+B2+G1+G2)	BVTS/FOOD/INS/SOP-041	BLQ (LOQ:2 µg/kg)	30 max
<b>Food Additives &amp; Preservatives (Discipline: Chemical)</b>				
269	Added Colouring Matter	FSSAI Manual - Food Additives (Cl.4.2)	Absent	Absent

Abbreviations: UOM: Unit of measurement, LOQ: Limit of Quantification, LOD: Limit of Detection, BLQ: Below limit of quantification, ND: Not Detected, NMT : Not More Than, NLT: Not Less Than, M: Microbiological limit that no sample unit may exceed. max: Maximum, min: Minimum.

Note: SAMPLE TESTED AS RECEIVED

## Form VII A Report of the Food Analyst

[See rule 2.4.2(5) and 2.4.4(6)]

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Sr. No.	Quality characteristics	Name of method of test used	Results	Prescribed standards as per FSSR 2011
<b>Microbiological Analysis (Discipline: Biological)</b>				
270	Enterobacteriaceae	ISO 21528 (P-2) : 2017	<10 (LOQ:10 cfu/g)	M = 1x10 <sup>3</sup>
271	Sulphite Reducing Clostridia	ISO: 15213 : (P-1) : 2023	<10 (LOQ:10 cfu/g)	M = 1x10 <sup>3</sup>
<b>Chemical Parameters (Discipline: Chemical)</b>				
272	Foreign Odour	Organoleptic	Absent	Absent
273	Foreign Flavour	Organoleptic	Absent	Absent
274	Harmful Substance	Visual	Absent	Absent
275	Diameter	By Vernier	4.16 mm	2.0 min
276	Saw Dust	Quick test for some adulterants in food (Instruction manual - part II)	Absent	Not Specified
277	Dirt, Dust, straw, insect, damaged seeds, other seeds, rodent hair and excreta	Visual	Absent	Not Specified
278	Sand, dirt, earth, gritty matter	Quick test for some adulterants in food (Instruction manual - part II)	Absent	Not Specified
279	Starch Powder	Quick test for some adulterants in food (Instruction manual - part II)	Absent	Not Specified
280	Volatile Oil Content(ODB)	FSSAI Manual - Spices & Condiments Method No:FSSAI 10.013: 2021	2.72 mL/100g	1.0 min
281	Other Refractions (Mammalianor/and other excreta)	FSSAI Manual - Spices & Condiments Method No:FSSAI 10.002:2021	BLQ (LOQ:1 mg/kg)	2.0 max
<b>Pesticide Residues (Discipline: Chemical)</b>				
282	Hydrogen cyanamide	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
283	Mesosulfuron Methyl	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
284	Sodium Para Nitro Phenolate	BVTS/FOOD/INS/SOP-040	BLQ (LOQ:0.01 mg/kg)	0.1 max
<b>Food Additives &amp; Preservatives (Discipline: Chemical)</b>				
285	Coal tar dyes	FSSAI Manual - Food Additives (CI.4.2)	Absent	Not Specified
286	Artificial Colours	FSSAI Manual - Food Additives (CI.4.2)	Absent	Not Specified

Abbreviations: UOM: Unit of measurement, LOQ: Limit of Quantification, LOD: Limit of Detection, BLQ: Below limit of quantification, ND: Not Detected, NMT : Not More Than, NLT: Not Less Than, M: Microbiological limit that no sample unit may exceed. max: Maximum, min: Minimum.

Note: SAMPLE TESTED AS RECEIVED

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Sl.No.:

352465

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BV Sample ID: 1774431

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**Opinion:**

The lab has tested all applicable General parameters, Microbiology, Food additives and adulterants with respect to the regulation No. **2.9.15.2.A** of FSS(Food Product Standards and Additives) Regulation 2011 and the results were found **satisfactory**

The lab has tested all applicable contaminants, Toxins and Pesticide Residues as per FSS(Contaminants, Toxins and Residues) Regulations 2011 and results were found **satisfactory**

Based on the above observations, I am of the opinion that the submitted sample **conforms** to the standards laid down under regulation No **2.9.15.2.A** of FSS ( Food Product Standards and Additives) Regulations 2011, and also **conforms** to the standards laid down under FSS (Contaminants, Toxins and Residues) Regulations 2011 wherever applicable.



Place: Hyderabad  
Date: 02 Dec 2024

Food Analyst/Authorized Signatory of Recognized Laboratory

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..... End of report.....

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Sl.No.:

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