



# NAWaL Analytical Laboratories

## Test Report



05065

Accredited & Recognized by: ISO/IEC 17025:2017, EIC, BIS, FSSAI, APEDA, AGMARK, MoEF & ISO 9001:2015

ULR-TC583421000029078F Discipline, Chemical Group , Food and Agriculture Products	DATE, 25.08.2021
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Sample ID	: NAL202108000029078
Job ID	: NAL/INSP/UNJ/2021-22/285
Shipper	: M/s. ADITI ORGANIC CERTIFICATIONS PVT LTD 38,20TH MAIN, 1ST BLOCK, RAJAJINAGAR BENGALURU-560010 INDIA.
Cargo Description/Name of the Sample	: AMARANTH SEEDS
Quantity of sample received for analysis	: 1Kg
Quantity of Consignment	: 36.45 mt
Lot No / Batch No of the product	: 082021296420
Date of Sample Receipt By Lab	: 19.08.2021
Date of Starting Analysis	: 19.08.2021
Date of Analysis Completion	: 20.08.2021

Details on sampling	
Sampling Procedure/ Method of Sampling	: NAL/SOP/010 & NAL/SOP/012 (Based on Codex General Guidelines on Sampling (CAC/GL 50-2004) & GAFTA Sampling Rules No.124)
Place of sampling/stuffing	: DUBHI, UNJHU
Date of sampling/stuffing	: 17.08.2021
Sampled Drawn / Done by	: Mr. Vishal
Quantity of sample drawn from sampling	: 500g x 2 Nos (Lab sample - 500g, Control sample - 500g, Customer sample - 0)
Sample Seal No	: 031260/Aditi 031261





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TC-5834  
**07867**

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ULR-TC583421000029078F Discipline. Chemical Group . Food and Agriculture Products	DATE , 25.08.2021
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S.No	Name of Chemicals/Pesticides	Residue Content (mg/kg)	Equipment Used For Analysis	Limit of Quantification (LOQ)(mg/kg)	Method of analysis
<b>ORGANOPHOSPHORUS PESTICIDES</b>					
1	Aspon	BLQ	GC-MS/MS	0.01	NAL/INS/SOP/003
2	Azinphos-Ethyl	BLQ	GC-MS/MS	0.01	
3	Azinphos-Methyl	BLQ	GC-MS/MS	0.01	
4	Bolstar (Sulprofos)	BLQ	GC-MS/MS	0.01	
5	Carbophenothion	BLQ	GC-MS/MS	0.01	
6	Chlorfenvinphos	BLQ	GC-MS/MS	0.01	
7	Chlorpyrifos	BLQ	GC-MS/MS	0.01	
8	Chlorpyrifos Methyl	BLQ	GC-MS/MS	0.01	
9	Coumaphos	BLQ	GC-MS/MS	0.01	
10	Crotoxyphos	BLQ	GC-MS/MS	0.01	
11	Demeton-O	BLQ	GC-MS/MS	0.01	
12	Demeton-S	BLQ	GC-MS/MS	0.01	
13	Diazinon	BLQ	GC-MS/MS	0.01	
14	Dichlorofenthion	BLQ	GC-MS/MS	0.01	
15	Dichlorvos (DDVP)	BLQ	GC-MS/MS	0.01	
16	Dicrotophos	BLQ	GC-MS/MS	0.01	
17	Dimethoate	BLQ	GC-MS/MS	0.01	
18	Dioxathion	BLQ	GC-MS/MS	0.01	
19	Disulfoton	BLQ	GC-MS/MS	0.01	
20	EPN	BLQ	GC-MS/MS	0.01	
21	Ethion	BLQ	GC-MS/MS	0.01	
22	Ethoprop	BLQ	GC-MS/MS	0.01	
23	Famphur	BLQ	GC-MS/MS	0.01	

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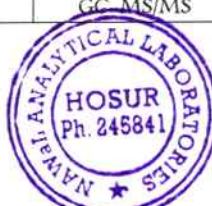
07866

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ULR-TC583421000029078F Discipline. Chemical Group , Food and Agriculture Products	DATE , 25.08.2021
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S.No	Name of Chemicals/Pesticides	Residue Content (mg/kg)	Equipment Used For Analysis	Limit of Quantification (LOQ)(mg/kg)	Method of analysis
24	Fenitrothion	BLQ	GC-MS/MS	0.01	NAL/INS/SOP/003
25	Fensulfothion	BLQ	GC-MS/MS	0.01	
26	Fenthion	BLQ	GC-MS/MS	0.01	
27	Fonophos	BLQ	GC-MS/MS	0.01	
28	Leptophos	BLQ	GC-MS/MS	0.01	
29	Malathion	BLQ	GC-MS/MS	0.01	
30	Merphos	BLQ	GC-MS/MS	0.01	
31	Mevinphos	BLQ	GC-MS/MS	0.01	
32	Monocrotophos	BLQ	GC-MS/MS	0.01	
33	Naled	BLQ	GC-MS/MS	0.01	
34	Parathion-ethyl	BLQ	GC-MS/MS	0.01	
35	Parathion-Methyl	BLQ	GC-MS/MS	0.01	
36	Phorate	BLQ	GC-MS/MS	0.01	
37	Phosmet	BLQ	GC-MS/MS	0.01	
38	Phosphamidon	BLQ	GC-MS/MS	0.01	
39	Ronnel	BLQ	GC-MS/MS	0.01	
40	Stirophos(Tetrachlorvinphos, Gardona)	BLQ	GC-MS/MS	0.01	
41	Sulfotepp	BLQ	GC-MS/MS	0.01	
42	Tetraethyl Pyrophosphate (TEPP)	BLQ	GC-MS/MS	0.01	
43	Terbufos	BLQ	GC-MS/MS	0.01	
44	Thionazin (Zinophos)	BLQ	GC-MS/MS	0.01	
45	Tokuthion (Prothiofos)	BLQ	GC-MS/MS	0.01	
46	Trichlorfon	BLQ	GC-MS/MS	0.01	
47	Trichloronate	BLQ	GC-MS/MS	0.01	
<b>ORGANOCHLORINE PESTICIDES</b>					
48	Aldrin	BLQ	GC-MS/MS	0.01	NAL/INS/SOP/003
49	BHC alpha isomer	BLQ	GC-MS/MS	0.01	
50	BHC beta isomer	BLQ	GC-MS/MS	0.01	
51	BHC delta isomer	BLQ	GC-MS/MS	0.01	
52	BHC gamma isomer	BLQ	GC-MS/MS	0.01	
53	Cis-Chlordane	BLQ	GC-MS/MS	0.01	
54	Trans- Chlordane	BLQ	GC-MS/MS	0.01	
55	Chlordane	BLQ	GC-MS/MS	0.01	
56	Chlorobenzilate	BLQ	GC-MS/MS	0.01	

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**Test Report**



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ULR-TC583421000029078F

Discipline. Chemical

Group . Food and Agriculture Products

DATE . 25.08.2021

S.No	Name of Chemicals/Pesticides	Residue Content (mg/kg)	Equipment Used For Analysis	Limit of Quantification (LOQ)(mg/kg)	Method of analysis
57	1,2-Dibromo-3-Chloropropane (DBCP)	BLQ	GC-MS/MS	0.01	NAL/INS/SOP/003
58	4,4'-DDD	BLQ	GC-MS/MS	0.01	
59	4,4'-DDE	BLQ	GC-MS/MS	0.01	
60	4,4'-DDT	BLQ	GC-MS/MS	0.01	
61	Diallate	BLQ	GC-MS/MS	0.01	
62	Dieldrin	BLQ	GC-MS/MS	0.01	
63	Endosulfan-I	BLQ	GC-MS/MS	0.01	
64	Endosulfan-II	BLQ	GC-MS/MS	0.01	
65	Endosulfan Sulfate	BLQ	GC-MS/MS	0.01	
66	Endrin	BLQ	GC-MS/MS	0.01	
67	Endrin aldehyde	BLQ	GC-MS/MS	0.01	
68	Endrin Ketone	BLQ	GC-MS/MS	0.01	
69	Heptachlor	BLQ	GC-MS/MS	0.01	
70	Heptachlor epoxide	BLQ	GC-MS/MS	0.01	
71	Hexachlorocyclopentadiene	BLQ	GC-MS/MS	0.01	
72	Isodrin	BLQ	GC-MS/MS	0.01	
73	Methoxychlor	BLQ	GC-MS/MS	0.01	
74	Toxaphene	BLQ	GC-MS/MS	0.01	
<b>HEAVY METALS</b>					
75	Lead as Pb	BLQ	AAS	0.01	AOAC (21 <sup>st</sup> Edition)
76	Copper as Cu	BLQ	AAS	0.01	999.11, 2019

Note: All the above test parameters are carried out with the sample "as received condition".

BLQ: Below limit of quantification.

The results relate only to the items tested. NAWaL Analytical Laboratories is not responsible for any deterioration/ deviation in quality or quantity of the product due to the nature of the product or during transit.



For NAWaL Analytical Laboratories

Authorised Signatory

Dr. V.A. SHANMUGA SELVAN  
(V.P-Operations)

\*\*\* End of the Report \*\*\*

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