

TEST REPORT

Issued to: Amal Farm Solution Pvt. Ltd
 Shrachi Ek Tower, Office 6C, Unit-6, Action Area-II,
 D, Newtown Rajarhat, New Town, North Twenty Four
 Parkanas, West Bengal, 700161

J.O. No.: FL/FA/13102023-030
 ULR Code: TC5503 23 0 00061055 F
 Report Date: 18/10/2023
 Sample Receipt Date: 13/10/2023
 Account Manager: BD Team 1
 Credit Manager: Gulab/Septesh

Customer Provided Information:

Nature/Name of the Sample : **Vengurla Cashew**
 Brand Name, if any : None
 Batch No. : None

Laboratory Provided Information:

Sample Quantity : 1x513g, Sealed Polypack
 Date of Performance of Test : 13th - 18th October, 2023
 Method of Sampling : The Sample is provided by Amal Farm
 Solution Pvt. Ltd, through Courier.



Analysis Report

Physical Description- Cashew, free from foreign matter.

S. No.	Parameter	Test Result	FSSR, 2011	Protocol
Chemical Parameters:				
1	Acidity of extracted fat (as oleic acid), % by wt.	0.46	Not Specified	IS-548
2	Extraneous Vegetables matter, % by wt.	ND, [DL-0.1]	NMT 1	IS-3579
3	Mould affected	Absent	Absent	Visual
4	Insects Fragments	Absent	Absent	Visual
5	Rodent hair & Excreta	Absent	Absent	Visual
6	Damaged/ Discoloured Units, % by wt.	0.46	Not Specified	IS-4624
7	Total tolerances -:	ND,[DL-0.1]	NMT 5	IS-3579
a.	a. Superficial damage, % by wt.	ND,[DL-0.1]	NMT 2	IS-7750
b.	b. Immature or shrivelled (deformed), % by wt.	ND,[DL-0.1]	NMT 2	IS-7750
c.	c. Speckled or spotted (black or brown), % by wt.	ND,[DL-0.1]	NMT 0.5	IS-7750
d.	d. Presence of testa, % by wt.	ND,[DL-0.1]	NMT 2	IS-7750
e.	e. Insect damage, % by wt.	ND,[DL-0.1]	NMT 0.5	IS-7750
f.	f. Foreign matter, % by wt.	ND,[DL-0.01]	NMT 0.05	IS-7750
8	Peroxide value meq/kg	2.20	NMT 10	IS-548

NMT=Not More Than; ND=Not Detected; DL=Detection Limit.

Reviewed By

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Authorised Signatory
 D Mathur, Director

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S. No.	Parameter	Test Result	FSSR, 2011	Protocol
Heavy Metals:				
1	Lead, mg/kg	ND, [LOQ-0.25]	2.5 Max	FL/SOP/ICPMS-13
2	Copper, mg/kg	3.10	30 Max	FL/SOP/ICPMS-13
3	Arsenic, mg/kg	ND, [LOQ-0.1]	1.1 Max	FL/SOP/ICPMS-13
4	Tin, mg/kg	ND, [LOQ-1.0]	250 Max	FL/SOP/ICPMS-13
5	Cadmium, mg/kg	ND, [LOQ-0.1]	1.5 Max	FL/SOP/ICPMS-13
6	Mercury, mg/kg	ND, [LOQ-0.1]	1.0 Max	FL/SOP/ICPMS-13
7	Methyl Mercury Calculated as element, mg/kg	ND, [LOQ-0.1]	NMT 0.25	FL/SOP/ICPMS-13

ND=Not Detected; LOQ=Limit of Quantification

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S. No.	Parameter	Test Result	FSSR, 2011	Protocol
Other Contaminants:				
1	Melamine, mg/kg	BLQ, [LOQ-0.025]	NMT 2.5	FL/SOP/LCMS-37
Naturally Occurring Toxic Materials:				
1	Agaric acid, mg/kg	ND, [DL-1]	Not Specified	FL/SOP/HPLC-25
2	Hypericine, mg/kg	ND, [DL-0.5]	Not Specified	FL/SOP/HPLC-26
3	Hydrocyanic acid, mg/kg	ND, [DL-0.2]	Not Specified	FL/SOP/FC-117
4	Saffrole, mg/kg	ND, [DL-1]	Not Specified	FL/SOP/GC-28
Crop Contaminants:				
1	Total Aflatoxins, µg/kg	BLQ, [LOQ-1]	NMT 30	FL/SOP/LCMS-31

ND=Not Detected; DL=Detection Limit; BLQ=Below Limit of Quantification; LOQ= Limit of Quantification; NMT=Not More Than

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S. No.	Parameter	Test Result	FSSR, 2011	Protocol
Pesticide Residues, mg/kg:				
1	Benomyl	BLQ, [LOQ-0.01]	NMT 0.1	FL/SOP/LCMS/P-10
2	Carbendazim	BLQ, [LOQ-0.01]	NMT 0.1	FL/SOP/LCMS/P-10
3	Ethion	BLQ, [LOQ-0.01]	NMT 0.1	FL/SOP/GCMS/P-10
4	Aldicarb	BLQ, [LOQ-0.01]	NMT 0.01	FL/SOP/LCMS/P-10
5	Aldrin	BLQ, [LOQ-0.01]	NMT 0.01	FL/SOP/GCMS/P-10
6	Dieldrin	BLQ, [LOQ-0.01]	NMT 0.01	FL/SOP/GCMS/P-10
7	Chlordane	BLQ, [LOQ-0.01]	NMT 0.01	FL/SOP/GCMS/P-10
8	Heptachlor	BLQ, [LOQ-0.01]	NMT 0.01	FL/SOP/GCMS/P-10
9	Lindane (Gamma-HCH)	BLQ, [LOQ-0.01]	NMT 0.01	FL/SOP/GCMS/P-10
10	Endosulfan	BLQ, [LOQ-0.01]	NMT 0.01	FL/SOP/GCMS/P-10
11	Phosphamidon	BLQ, [LOQ-0.01]	NMT 0.01	FL/SOP/LCMS/P-10
12	Captafol	BLQ, [LOQ-0.01]	NMT 0.01	FL/SOP/GCMS/P-10
13	Formothion	BLQ, [LOQ-0.01]	NMT 0.01	FL/SOP/GCMS/P-10
14	Simazine	BLQ, [LOQ-0.01]	NMT 0.01	FL/SOP/LCMS/P-10
15	Diazinon	BLQ, [LOQ-0.01]	NMT 0.01	FL/SOP/GCMS/P-10
16	D.D.T	BLQ, [LOQ-0.01]	NMT 0.05	FL/SOP/GCMS/P-10
17	Fenitrothion	BLQ, [LOQ-0.01]	NMT 0.01	FL/SOP/GCMS/P-10
18	Fenthion	BLQ, [LOQ-0.01]	NMT 0.01	FL/SOP/GCMS/P-10
19	Methyl Parathion	BLQ, [LOQ-0.01]	NMT 0.01	FL/SOP/GCMS/P-10
20	Ethyl Parathion	BLQ, [LOQ-0.01]	NMT 0.01	FL/SOP/GCMS/P-10
21	Monocrotophos	BLQ, [LOQ-0.01]	NMT 0.02	FL/SOP/LCMS/P-10
22	Carbofuran	BLQ, [LOQ-0.01]	NMT 0.03	FL/SOP/LCMS/P-10
23	Methomyl	BLQ, [LOQ-0.01]	NMT 0.04	FL/SOP/LCMS/P-10

BLQ=Below Limit of Quantification; LOQ= Limit of Quantification; NMT=Not More Than

Inference: The tested sample **conforms** to FSSR, 2011 w.r.t above tests

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B Mathur, Director

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S. No.	Parameter	Test Result	FSSR, 2011	Protocol
Pesticide Residues, mg/kg:				
1	Ferbam as CS2	BLQ, [LOQ-0.01]	NMT 0.01	FL/SOP/GCMS/P-18

BLQ=Below Limit of Quantification; **LOQ**= Limit of Quantification; **NMT**=Not More Than

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