

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
 Parqanas, West Benqal, 700161

J.O. No.: FL/FA/13102023-028
 ULR Code: TC5503 23 0 00061054 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 : **Makhana 4+Suta Non Handpick**
 Brand Name, if any : None
 Batch No. : None

Laboratory Provided Information:

Sample Quantity : 1x112g, 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- Non Handpick, free from musty odour.

S. No.	Parameter	Test Result	FSSR, 2011	Protocol
Chemical Parameters:				
1	Acidity of extracted fat (as oleic acid), % by wt.	0.26	Not Specified	IS-548
2	Extraneous Vegetables matter, % by wt.	ND, [DL-0.1]	Not Specified	IS-3579
3	Mould affected	Absent	Not Specified	Visual
4	Insects Fragments	Absent	Not Specified	Visual
5	Damaged/Discoloured units, % by wt.	0.40	Not Specified	IS-4624
6	Rodent Hair & Exceta	Absent	Absent	Visual

ND=Not Detected; **DL**=Detection Limit

[Signature]
Reviewed By

[Signature]
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	3.17	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; NMT=Not More Than

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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

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

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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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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****End of Report****