



# FARELABS

FOOD ANALYSIS & RESEARCH LABORATORY

TESTING, CALIBRATION, PROFICIENCY TESTING, R&D & TRAINING SERVICES



## FARE LABS Private Limited

L-17/3, DLF Phase-II, IFFCO Chowk, M.G. Road,  
Gurgaon-122002, Haryana, INDIA  
Phone : +91-124-4223207, 4034205  
Fax : +91-124-4036038, Cell : +91-95992 21227  
E-mail : farelabs@farelabs.com  
Website : www.farelabs.com

### TEST REPORT

#### Issued to: Forde International

Unit no 111, Success Tower, Sec 65  
Gurgaon, Haryana -122002 (India)

J.O. No.: FL/O&F/15032021-011  
ULR Code: TC5503 21 1 00001382 F  
Report Date: 20/03/2021  
Sample Receipt Date: 15/03/2021  
Account Manager: Sushil Singh  
Credit Manager: Septesh Kumar

#### Sample Particulars:

Nature of the Sample & No. of Samples  
Name of the consignee

: **Black Mustard** (One Sample)  
: Awasser Al Khaleej Trading & Contracting Company Limited  
Building no 7064, Unit no 2, Al - Marwah, District - Buraydah  
Al Qassim, Saudi Arab.

Port of Discharge  
Country of Origin  
Exporter

: Dammam Port  
: India  
: Forde International  
Unit no 111, Success Tower, Sector -65,  
Gurgaon -122002, Haryana, India.

Sample Quantity & Packaging  
Date of Performance of Test  
Method of Sampling

: 500g, Polypack  
: 15<sup>th</sup> -20<sup>th</sup> March, 2021  
: Sample is provided by Forde International



### Analysis Report

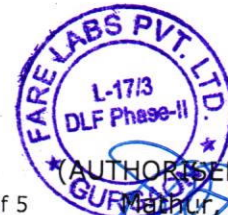
**Physical Description:-** Black Mustard, Free from Extraneous matter.

S. No.	Parameter	Test Result	As per Codex Standard	Protocol
<b>Chemical Analysis:</b>				
1	Moisture, % by wt.	5.82	NMT 10	IS-1797
2	Total Ash (ODB), % by wt.	2.61	NMT 6.5	IS-1797
3	Acid Insoluble Ash, % by wt.	0.62	NMT 1	IS-1797
4	Allyl Isothiocyanate (in B. Nigra)	1.7	NLT 1	ISO-1237

**NMT=Not More Than; NLT=Not Less Than**

Testing Section Prepared By  
Dr. Balakrushna Marrapu

Checked By:  
Dr. M. Tripathi, QM



Page 1 of 5

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: 500g, Polypack  
: 15<sup>th</sup> -20<sup>th</sup> March, 2021  
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S. No.	Parameter	Test Result	As per CODEX	Protocol
<b>Heavy Metals:</b>				
1	Lead, mg/kg	ND [LOQ-0.05]	Not Specified	FL/SOP/ICPMS-33
2	Arsenic, mg/kg	ND [LOQ-0.05]	Not Specified	FL/SOP/ICPMS-33
3	Tin, mg/kg	ND [LOQ-0.1]	Not Specified	FL/SOP/ICPMS-33
4	Cadmium, mg/kg	ND [LOQ-0.05]	Not Specified	FL/SOP/ICPMS-33
5	Mercury, mg/kg	ND [LOQ-0.1]	Not Specified	FL/SOP/ICPMS-33
6	Methyl Mercury Calculated as element, mg/kg	ND [LOQ-0.1]	Not Specified	FL/SOP/ICPMS-33

ND= Not Detected; LOQ=Limit of Quantification

*Sameer*

Testing Section

*Om*

Prepared By  
Omesh Kumar

Checked By:  
Dr. M. Tripathi, QM

Page 2 of 5

(AUTHORISED SIGNATORY)  
D Mathur, Director

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S. No.	Parameter	Test Result	Protocol
1	Total Aflatoxins (B1+B2+G1+G2), µg/kg	ND, [LOQ-1.75]	FL/SOP/LCMS-31

ND=Not Detected; LOQ=Limit of Quantification

Testing Section

Prepared By  
 Chetan Kumar

Checked By:  
 Dr. M. Tripathi, QM

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 D Mathur, Director

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### Analysis Report

S. No.	Parameter	Test Result	Protocol
<b>Pesticide Residues, (mg/kg):</b>			
1	Acephate	ND, [LOQ-0.01]	FL/SOP/LCMS/P-04
2	Inorganic Bromide as bromide	ND, [LOQ-5]	FL/SOP/Pest-05
3	Dichlorvos	ND, [LOQ-0.01]	FL/SOP/GCMS/P-04
4 <sup>th</sup>	Disulfoton	ND, [LOQ-0.01]	FL/SOP/GCMS/P-04
5	Methamidophos	ND, [LOQ-0.01]	FL/SOP/LCMS/P-04
6	Permethrin	ND, [LOQ-0.01]	FL/SOP/GCMS/P-04
7	Vinclozolin	ND, [LOQ-0.01]	FL/SOP/GCMS/P-04
8	Hydrogen Phosphide S Phosphide	ND, [LOQ-1]	FL/SOP/Pest-05

ND= Not Detected; LOQ=Limit of Quantification

Testing Section

Prepared By

Mithlesh Kumar

Checked By:

Dr. M. Tripathi, QM

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(AUTHORISED SIGNATORY)

D. Mathur, Director

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FL/T/GEN/EO5



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Account Manager: Sushil Singh  
Credit Manager: Septesh Kumar

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: 500g, Polypack  
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**Analysis Report**

S. No.	Parameter	Test Result	As Per Codex	Protocol
<b>Microbiological Analysis:</b>				
1	Salmonella sp., per 25g	Absent	Absent	ISO-6579 (P-1)
2	E.coli, per g	Absent	Not Specified	IS-5887 (P-1)

**Inference:-**The Sample **Conforms** in accordance with the requirements of Codex Specification in its currently valid version.

*Tanya*

Testing Section

*Sushma*  
Prepared By  
Sushma

Checked By:  
Dr. M. Tripathi, QM

Page 5 of 5

*Meenakshi*

(AUTHORISED SIGNATORY)  
Ms. Meenakshi Bakshi, Scientist-B

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FL/T/GEN/F-05



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J.O. No.: FL/O&F/SL/15032021-001

Report Date: 20/03/2021

Sample Receipt Date: 15/03/2021

Account Manager: Sushil Singh

Credit Manager: Septesh Kumar

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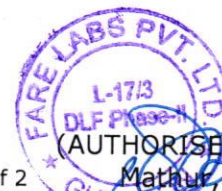
**Physical Description:-** Black Mustard, Free from Extraneous matter.

S. No.	Parameter	Test Result	As per Codex Standard	Protocol
<b>Chemical Analysis:</b>				
1	Purity, % by wt.	99.34	Not Specified	FSSAI Manual for Spices and condiments 2016
2	Impurity, % by wt.	0.66	Not Specified	FSSAI Manual for Spices and condiments 2016
3	P-hydroxybenzyl isothiocyanate (in Sinapis Alba)	2.6	NLT 2.3	ISO-1237
4	Non Volatile Ether extract, % by wt.	29.10	NLT 28	IS-1797

**NMT**=Not More Than; **NLT**=Not Less Than

Testing Section Prepared By  
Dr. Balakrushna Marrapu

Checked By:  
Dr. M. Tripathi, QM



(AUTHORISED SIGNATORY)  
Mathur, Director

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S. No.	Parameter	Test Result	Protocol
<b>Pesticide Residues, (mg/kg):</b>			
1	Azinophos-methyl	ND, [LOQ-0.01]	FL/SOP/GCMS/P-04

ND= Not Detected; LOQ=Limit of Quantification

Tested Section

Prepared By  
 Mithilesh Kumar

Checked By:  
 Dr. M. Tripathi, QM

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