

GROBEST HOLDINGS LIMITED
RM.1. 14F, No. 1071, Chung Chen Rd., Taoyuan City, Taiwan 33045

Report No. : VA/2020/53406


Date : 2020/06/01



THE FOLLOWING MERCHANDISE WAS(WERE) SUBMITTED AND IDENTIFIED BY THE CLIENT AS :

Product Name : BRAZILIAN STEAM DRIED FISHMEAL
Sample packaging : Please refer to the photos for sample shown at the page of this report
Sample condition/ amount : Ambient temp./2 piece
Item No. : 191211.FLX.P01/190215
Lot. No. : MEDURJ194865
Applicant : GROBEST HOLDINGS LIMITED
Applicant address/ telephone number/ contact person : RM.1. 14F, No. 1071, Chung Chen Rd., Taoyuan City, Taiwan 33045/03-3557066 #163/Astrid Wu 吳雅婷
Manufacturer/Vendor : INDUSTRIA DE RACOES PATENSE LTDA
Manufacture Date : 2019/OCT.-DEC.
Expiry Date : 2020/OCT.-DEC.
Country of Origin : BRAZIL
Sample Received : 2020/05/21
Testing Date : 2020/05/21

Test Results: -Please refer to next page(s)-


Mandy Yu/ Manager
Signed for and on behalf of
SGS TAIWAN Ltd.



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Test Item	Test Method	Results	LOQ/LOD (Note 3.)	Unit	Food Sanitation Standard
Amino Acid	---	---	---	---	---
Alanine	With reference to AOAC 994.12 Amino Acid in Feeds by HPLC.	41973	255	ppm(mg/kg)	---
Arginine		31954	498	ppm(mg/kg)	---
Aspartic Acid		49988	380	ppm(mg/kg)	---
Cystine		19664	343	ppm(mg/kg)	---
Glutamic Acid		73428	420	ppm(mg/kg)	---
Glycine		49993	214	ppm(mg/kg)	---
Histidine		14133	443	ppm(mg/kg)	---
Isoleucine		23369	375	ppm(mg/kg)	---
Leucine		41233	375	ppm(mg/kg)	---
Lysine		37469	418	ppm(mg/kg)	---
Methionine		15886	426	ppm(mg/kg)	---
Phenylalanine		22614	472	ppm(mg/kg)	---
Proline		35253	329	ppm(mg/kg)	---
Serine		18840	300	ppm(mg/kg)	---
Threonine		21085	340	ppm(mg/kg)	---
Tyrosine	15139	518	ppm(mg/kg)	---	
Valine	27826	335	ppm(mg/kg)	---	
Tryptophan	With reference to AOAC 988.15 Tryptophan in Feeds and Food and Feed Ingredients by HPLC.	4822	25	ppm(mg/kg)	---
Free Fatty Acid(as oleic acid)	With reference to AOCS Ac 5-41 & Ca 5a-40 Free Fatty Acids	7.67	0.03	%	---
Pepsin Digestibility	AOAC 971.09 Pepsin Digestibility of Animal Protein Feeds.	98.4	---	%	---
Protein	AOAC 990.03 Protein (Crude) in Animal Feed	62.3	0.1	g/100g	---

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Test Item	Test Method	Results	LOQ/LOD (Note 3.)	Unit	Food Sanitation Standard
Crude Fat	CNS 2770-4 Method of Test for Feeds : Determination of Crude Fat.	8.6	0.1	g/100g	---
Moisture	CNS 2770-3 Method of Test for Feeds : Determination of Moisture.	5.2	0.1	g/100g	---
Volatile Basic Nitrogen	CNS 2770-6 Method of Test for Feeds : Determination of Volatile Basic Nitrogen.	174.5	0.7	mg/100g	---
Crude Ash	CNS 2770-9 Method of Test for Feeds : Determination of Crude Ash.	23.3	0.1	g/100g	---
Histamine	TFDA 101.03.20 Suggestion Method TFDAO0006.00 , Method of Test for Histamine in Foods. Analysis was performed by LC/MS/MS.(Note : The expansion of the announced method cannot be applied to the matrix, and it is not within the scope of TFDA certification.)	239	1	ppm(mg/kg)	---
Arsenic (As)	Method Food NO.1031901169 Announced. General Method of Test for Heavy Metals,Analysis was performed by ICP-OES.	2.1	2.0	ppm(mg/kg)	---
Lead (Pb)		N.D.	2.0	ppm(mg/kg)	---
Mercury (Hg)		N.D.	2.0	ppm(mg/kg)	---
Cadmium (Cd)		N.D.	2.0	ppm(mg/kg)	---

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Test Item	Test Method	Results	LOQ/LOD (Note 3.)	Unit	Food Sanitation Standard
BHA	MOHW Food No. 1081900166 Announced. Method of Test for Antioxidants in Food-Multiple Analysis(MOHWA0021.02).Analysis was performed by HPLC. (Note : The expansion of the announced method cannot be applied to the matrix, and it is not within the scope of TFDA certification.)	89	10	ppm(mg/kg)	---
BHT		78	10	ppm(mg/kg)	---
ETH		N.D.	40	ppm(mg/kg)	---

Note :

- The test report merely reflects the test results of the consigned matters of the client and is not a certification of the legitimacy of the related products.
 - This testing report contains 7 pages and it's invalid when they are separated.
 - If the testing item belongs to quantitative analysis then this column describes Limit of Quantification(LOQ);
If the testing item belongs to qualitative analysis then this column describes Limit of Detection(LOD).
 - The testing result will be "N.D." or Negative for Limit of Quantification and Limit of Detection, respectively.
 - All items in this testing report is based on the request from client and we are responsible for that.
 - These testing items (BHA、BHT and ETH)were performed by SGS Food Laboratory-Taipei(FO/2020/52354) .
- END -

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Sample Photo

VA/2020/53406



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The information requested from client is shown as below:

VA/2020/53406

Test Item	Test Method	LOQ/LOD
Alanine	With reference to AOAC 994.12 Amino Acid in Feeds by HPLC.	Please refer to the result table above
Arginine		Please refer to the result table above
Aspartic Acid		Please refer to the result table above
Cystine		Please refer to the result table above
Glutamic Acid		Please refer to the result table above
Glycine		Please refer to the result table above
Histidine		Please refer to the result table above
Isoleucine		Please refer to the result table above
Leucine		Please refer to the result table above
Lysine		Please refer to the result table above
Methionine		Please refer to the result table above
Phenylalanine		Please refer to the result table above
Proline		Please refer to the result table above
Serine		Please refer to the result table above
Threonine		Please refer to the result table above
Tyrosine		Please refer to the result table above
Valine	Please refer to the result table above	
Tryptophan	With reference to AOAC 988.15 Tryptophan in Feeds and Food and Feed Ingredients by HPLC.	Please refer to the result table above

The testing method has been accredited by MOHW, which is marked with ★.

The externally provided testing method has been accredited by MOHW, which is marked with ⊙.

The information requested from client is shown as below:
VA/2020/53406

Test Item	Test Method	LOQ/LOD
Free Fatty Acid(as oleic acid)	With reference to AOCS Ac 5-41 & Ca 5a-40 Free Fatty Acids	Please refer to the result table above
Pepsin Digestibility	AOAC 971.09 Pepsin Digestibility of Animal Protein Feeds.	Please refer to the result table above
Protein	AOAC 990.03 Protein (Crude) in Animal Feed	Please refer to the result table above
Crude Fat	CNS 2770-4 Method of Test for Feeds : Determination of Crude Fat.	Please refer to the result table above
Moisture	CNS 2770-3 Method of Test for Feeds : Determination of Moisture.	Please refer to the result table above
Volatile Basic Nitrogen	CNS 2770-6 Method of Test for Feeds : Determination of Volatile Basic Nitrogen.	Please refer to the result table above
Crude Ash	CNS 2770-9 Method of Test for Feeds : Determination of Crude Ash.	Please refer to the result table above
Histamine	TFDA 101.03.20 Suggestion Method TFDAO0006.00 , Method of Test for Histamine in Foods. Analysis was performed by LC/MS/MS.(Note : The expansion of the announced method cannot be applied to the matrix, and it is not within the scope of TFDA certification.)	Please refer to the result table above
Arsenic (As)	Method Food NO.1031901169 Announced. General Method of Test for Heavy Metals,Analysis was performed by ICP-OES.	Please refer to the result table above
Lead (Pb)		Please refer to the result table above
Mercury (Hg)		Please refer to the result table above
Cadmium (Cd)		Please refer to the result table above
BHA	MOHW Food No. 1081900166 Announced. Method of Test for Antioxidants in Food-Multiple Analysis(MOHWA0021.02).Analysis was performed by HPLC. (Note : The expansion of the announced method cannot be applied to the matrix, and it is not within the scope of TFDA certification.)	Please refer to the result table above
BHT		Please refer to the result table above
ETH		Please refer to the result table above

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