



REPUBLIC OF TURKEY  
MINISTRY OF AGRICULTURE AND FORESTRY  
RADIX PRIVATE FOOD CONTROL LABORATORY



AB-1009-T
G2026-597 / 00
02-26

EXAMINING and ANALYSIS REPORT

Report / Revision Number : G2026-597 / 00

Report Date : 20.02.2026

Date of Incoming Letter :

Number :

A) SAMPLE INFORMATION	
The Purpose of Analysis	: Private Request
Sample Sender	Institution / Organization : Kümbetli Tarım Ürünleri Sanayi ve Ticaret A.Ş. Adress : Teyyaredüzü Mah.Sunta Sok.No:2, GİRESUN
Sampling Record Date & Number	: Security Seal Number :
Sample	Type : Natural Hazelnut Kernels- Crop 2025 Serial - Part Number : Package : Plastic Package Quantity : 1100 g Production Date : Expiration Date : The Recommended Consumption Date : Manufacturer : Date Received : Location :
Sample Code	:
Sample Acceptance Date & Time	: 9.02.2026 10:42:45 Temperature <sup>1</sup> : 21.3°C
Analysis Start Date	: 9.02.2026 12:26:47 End Date : 19.02.2026 16:50:17

<sup>1</sup> Filling maintenance for samples that should be kept in the cold chain.

B) ANALYSIS RESULTS

Analysis	Results	LOD/LOQ	E.U. (±)	R (%)	Device	Method	Limit	Limit Source	Evaluation
1-*Moisture Content (%)	4,97	/	2,45		Moisture Analyzer	Inhouse Method - "AT.03.156" (Modified from Mettler Toledo App. Note)			NI
2-*Ash (%)	2,33	/	2,30		Ash Furnace	NMKL 173			NI

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Lab. Manager

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F.04.PR.18 RELEASE DATE: 12.04.2019  
Revizyon Tarihi / No: 28.08.2025 / 12

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B) ANALYSIS RESULTS

Analysis	Results	LOD/LOQ	E.U. (±)	R (%)	Device	Method	Limit	Limit Source	Evaluation
3-*Total Aflatoxin (B1+B2+G1+G2) (µg/kg)	Not Detected	/0,50			LC-MS/MS	JS-FO-2000 COMPLETE START-UP KIT(200+ analysis)JS-FO-2050 REFILL KIT (200+ analysis)			NI
1-*Aflatoxin B1 (µg/kg)	Not Detected	/0,51		96	LC-MS/MS	JS-FO-2000 COMPLETE START-UP KIT(200+ analysis)JS-FO-2050 REFILL KIT (200+ analysis)			NI
2-*Aflatoxin B2 (µg/kg)	Not Detected	/0,50		95	LC-MS/MS	JS-FO-2000 COMPLETE START-UP KIT(200+ analysis)JS-FO-2050 REFILL KIT (200+ analysis)			NI
4-*Aflatoxin G1 (µg/kg)	Not Detected	/0,51		99	LC-MS/MS	JS-FO-2000 COMPLETE START-UP KIT(200+ analysis)JS-FO-2050 REFILL KIT (200+ analysis)			NI
5-*Aflatoxin G2 (µg/kg)	Not Detected	/0,50		96	LC-MS/MS	JS-FO-2000 COMPLETE START-UP KIT(200+ analysis)JS-FO-2050 REFILL KIT (200+ analysis)			NI
6-Energy (kcal/100g)	667,9	/	66,79			FAO 77			NI
7-Energy (kJ/100g)	2.755,2	/	275,52			FAO 77			NI
8-*Total Fat Content (g/100g)	63,06	/	4,60			NMKL 160, İşletme İçi Metot - "AT.04.128" (Modified Velp App.Note)			NI
9-*Saturated Fatty Acids (g/100g)	5,08	/	0,02		GC-FID	COI/T.20/Doc. No 33			NI

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B) ANALYSIS RESULTS

Analysis	Results	LOD/LOQ	E.U. (±)	R (%)	Device	Method	Limit	Limit Source	Evaluation
10-Carbohydrate (g/100g)	2,05	/	0,21			FAO 77			NI
11-*Total Sugar (g/100g)	2,01	/	0,07			İşletme İçi Metot- "AT.04.177" (AOAC 968.28 Modifiye edilmiştir)			NI
12-*Total Dietary Fiber (g/100g)	9,1	/	0,88			AOAC 991.43			NI
13-*Protein <sup>(2)</sup> (g/100g)	18,49	/	2,92		Kjeldahl	NMKL 6			NI
14-*Sodium (Na) (mg/kg)	13,55	/0,0327	2,02	90	ICP-MS	NMKL 186			NI
15-*GMO Screening <sup>(1)</sup>		/			REAL-TIME PCR				NI
1-*p35S	Not Detected	10 Kopya DNA/			REAL-TIME PCR	Kit Metodu (Eurofins GMOScreen RT S35- TNOS-FMV IPC), ISO 21569, ISO 24276			
2-*tNOS	Not Detected	10 Kopya DNA/			REAL-TIME PCR	Kit Metodu (Eurofins GMOScreen RT S35- TNOS-FMV IPC), ISO 21569, ISO 24276			
3-*pFMV	Not Detected	10 Kopya DNA/			REAL-TIME PCR	Kit Metodu (Eurofins GMOScreen RT S35- TNOS-FMV IPC), ISO 21569, ISO 24276			

ABBREVIATION

E:Evaluation P:Pass F:Fail N.I: Not Interpreted R:Recovery E.U:Expanded Uncertainty LOD/LOQ:Limit of Detection/Limit of Quantification R.L:Reporting Limit O.G:Official Gazette (R.G.) TFC:Turkish Food Codex F.B:Disclaimer

EXPLANATION/OPINION/COMMENT/RULE OF DECISION/DISCLAIMER

- Gıda ve Yemin Resmi Kontrol (Bakanlık) numunelerinde "Resmi Numune Alma Prosedürü" veya ilgili mevzuatta belirtilen karar kuralı kullanılmaktadır.

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1. DNA isolation was performed with the Eurofins GENESpin DNA Isolation Kit. □<sup>1</sup>□
2. Protein Factor:6,25 □<sup>2</sup>□

EVALUATION

WARNINGS

1. The laboratory has no responsibility for sampling. The analysis results are valid for the above-mentioned sample and for the condition when the sample is received. As a result of the examination and analysis, the above-mentioned values were determined.
2. The customer's information in this report has been declared by the customer. Our laboratory is not responsible for any losses/legal obligations that may occur due to the accuracy and use of this information.
3. No part of the analysis report can be used alone or separately, and may not be partially copied or reproduced without the written permission of the laboratory.
4. This report cannot be used for judicial-administrative and advertising purposes. Unsigned, unsealed, without cover letter for official samples, reports are invalid.
5. The declared expanded uncertainty of measurement does not include sampling, it is the value found by multiplying the standard uncertainty with the extension coefficient taken as k=2 and provides 95% confidence.
6. Radix Private Food Control Laboratory, operating as an experimental laboratory, has been accredited by TÜRKAK with the accreditation number AB-1009-T, according to the TS EN ISO/IEC 17025 standard. The Turkish Accreditation Agency (TÜRKAK) has signed a Multilateral Agreement with the European Accreditation Association (EA) and a mutual recognition agreement with the International Accreditation Association (ILAC) on the recognition of test reports. Analyzes marked with \* are within the scope of accreditation.
7. In results where a recovery rate is provided, the result has been adjusted according to the specified recovery value.
8. If a waiver statement provided and approved by the customer is present, the laboratory is not responsible for the validity of the results that may be affected due to the sample not meeting the sample acceptance criteria (such as packaging, temperature, quantity, etc.).

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