



TURKISH ACCREDITATION AGENCY

ACCREDITATION CERTIFICATE

As a Testing Laboratory

T.C. TARIM VE ORMAN BAKANLIĞI Çanakkale Gıda Kontrol Laboratuvar Müdürlüğü

Central Address: İSMETPAŞA MAH. ATATÜRK CAD. GIDA KONTROL LABORATUVAR MÜDÜRLÜĞÜ No:29/ MERKEZ/ÇANAKKALE Çanakkale / Türkiye

is accredited in accordance with TS EN ISO/IEC 17025:2017 standard within the scope given in Annex following the assessment conducted by TURKAK.

Accreditation Number : AB-0283-T

Accreditation Date : 14.07.2009

Revision Date / Number : 31.01.2025 / 14

This certificate shall remain in force until **02.10.2025**, subject to continuing compliance with the standard **TS EN ISO/IEC 17025:2017**, related regulations and requirements.

Gülden Banu Müderrisoğlu
Secretary General



Turkish Accreditation Agency (TURKAK) is a signatory to the European co-operation for Accreditation (EA) Multilateral Agreement (MLA) and International Laboratory Accreditation Cooperation (ILAC) Mutual Recognition Agreement (MRA) in the scope of ISO/IEC 17025.

This document has been signed by Gülden Banu Müderrisoğlu with a secure electronic signature in accordance with the electronic signature law numbered 5070. Use the QR code to verify the e-signed document.

 TÜRKAK Test TS EN ISO/IEC 17025 AB-0283-T	T.C. TARIM VE ORMAN BAKANLIĞI Çanakkale Gıda Kontrol Laboratuvar Müdürlüğü Accreditation Nr: AB-0283-T Revision Nr: 14 Date: 31.01.2025 Testing Laboratory <table border="1"> <tr> <td> Address : İSMETPAŞA MAH. ATATÜRK CAD. GIDA KONTROL LABORATUVAR MÜDÜRLÜĞÜ No:29/ MERKEZ/ÇANAKKALE Çanakkale / Türkiye </td><td> Phone : +90 286 217 5818 Fax : +90 286 217 2031 Email : canakkale.gidalab@tarimorman.gov.tr Website : https://gidalab.tarimorman.gov.tr/canakkale </td></tr> </table>	Address : İSMETPAŞA MAH. ATATÜRK CAD. GIDA KONTROL LABORATUVAR MÜDÜRLÜĞÜ No:29/ MERKEZ/ÇANAKKALE Çanakkale / Türkiye	Phone : +90 286 217 5818 Fax : +90 286 217 2031 Email : canakkale.gidalab@tarimorman.gov.tr Website : https://gidalab.tarimorman.gov.tr/canakkale
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Food and Feed Products		
Tested Materials / Products	Name of Test	Testing Method (National, International Standards, In-house Methods)
Fruit and Vegetable Juices	Determination of Brix (Water-Soluble Solid Matter) Refractometric Method	TS EN 12143
Fruit and Vegetable Products	Determination of Brix (Water-Soluble Solid Matter) Refractometric Method	TS ISO 2173
Seafood (Fish, Shrimp, Mussel etc.)	Determination of Biogenic Amine (Histamine) HPLC-UV/DAD Method	In-house Method - "KML/AÇT-20/ Rev No:00" (Modified from JAOAC Vol.76 No:3)
Distilled Alcoholic Beverages	Quantification of Methanol GC FID Method	TGK 2017/9
Food	Determination of Crude Protein Combustion Method (Dumas Principle)	In-house Method - "KAL/AÇT-170/ Rev No:00" (Modified from AOAC 990.03)
Feed	Determination of Crude Protein Combustion Method (Dumas Principle)	AOAC 990.03
Feed and Feedstuffs	Determination of Crude Ash	TS ISO 5984
Cereals and Cereal Products (Except Corn and Legumes)	Determination of Moisture	TS EN ISO 712-1
Fish	Determination of TVB-N (Total Volatile Basic Nitrogen)	EC No: 2074 Chapter 2
Feed	Determination of Moisture	TS 6318
Distilled Alcoholic Beverages	Determination of Alcohol by Volume Pycnometer Method	TGK 2017/9
Food	Determination of Benzoic Acid and Sorbic Acid HPLC-UV/DAD Method	NMKL 124
Food (High water content, High acid content and high water content)	Detection and Quantification Analysis of Some Selected Pesticides GC-MS/MS Method (87 active ingredients)- 2,4-D methyl ester; 2,4-D-1-butyl ester; 2,4-D-2-ethylhexyl ester; 2,4-DDD; 2,4-DDE; 2,4-DDT; 2,4-D-iso-octyl ester; 2-Phenylphenol (Ortho phenylphenol); 4,4-DDD; 4,4-DDE; 4,4-DDT; Acrinathrin; Aldrin; Benfluralin; Biphenyl; Bromophos-ethyl; Bromophos-methyl; Bromopropylate; Butralin; Butylate; Cadusafos; Carbosulfan; Chinomethionat (Aka quinomethionate); Chlorbufam; Chlordane-cis; Chlordane-trans; Chlorfenapy; Chlorfenprop-methyl; Chlorpropham; Chlorpyrifos-methyl; Chlorthal-dimethyl; Cyfluthrin (cyfluthrin including other mixtures of constituent isomers (sum of isomers)); Cyhalofop-butyl; Cypermethrin (cypermethrin including other mixtures of constituent isomers (sum of isomers)); Cypermethrin-alpha; Dicloran; Dicofof (sum of p, p' and o, p' isomers); Dieldrin; Diphenylamine; Disulfoton; Endosulfan-alpha; Endosulfan-beta; Endosulfan-sulfate; Endrin; EPN; Ethalfuralin; Ethofumesate-2-keto; Ethoprophos; Etridiazol; Fenitrothion; Fenvalerate (any ratio of constituent isomers (RR, SS, RS & SR) including esfenvalerate); Fipronil-sulfone; Formothion; Hexachlorocyclohexane (HCH), alpha isomer; Hexachlorocyclohexane (HCH), beta isomer; Hexachlorocyclohexane (HCH), delta isomer; Heptachlor; Heptachlor-endo-epoxide; Heptachlor-exo-epoxide; Hexachlorobenzene; Iprodione; Isocarbophos; Lambda-cyhalothrin (includes gamma-cyhalothrin) (sum of R,S and S,R isomers); Lindane (Gamma-isomer of hexachlorocyclohexane (HCH)); Methacrifos; Mirex; Nuairimol; Oxyfluorfen; Parathion; Parathion-methyl; Pentachloroaniline; Phorate; Phthalimide; Procymidone; Prothiophos; Quintozene (PCNB); Spiromesifen; Tecnazene; Tefluthrin; Terbutryn; Tetradifon; Tetrasul; Thiometon; THPI; Tolclofos-methyl; Trifluralin; Vinclozolin.	AOAC 2007.01



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Cereals and Cereal Products	Determination of Ochratoxin A HPLC-FLD Method	In-house Method - "MTL/ACT-06/ Rev No: 01" (Modified from Application Method - Ref No: R-Biopharm P14/V15)
Cereals and Cereal Products	Determination of Zearalenone (ZON) HPLC-FLD Method	In-house Method - "MTL/ACT-07/ Rev No:01" (modified from Application Method-Ref No: R-Biopharm RP91/RP90/V13)
Feed	Lead (Pb), Cadmium (Cd), Mercury (Hg), Arsenic (As) Analysis ICP-MS Method	In-house Method - "KML/ACT-28/ Rev No:02" (Modified from NMKL 186 and NMKL 191)
Food (Excluding oils and fats)	Lead (Pb), Cadmium (Cd), Tin (Sn), Mercury (Hg), Arsenic (As) Analysis ICP-MS Method	In-house Method - "KML/ACT-28/ Rev No:02" (Modified from NMKL 186 and NMKL 191)
Food	<i>Escherichia coli</i> Count	bioMérieux TEMPO EC, 80 004
Food Feed	Detection of Staphylococcal Enterotoxin	bioMérieux VIDAS SET2, 30705
Food Feed	Detection of <i>Salmonella</i> spp.	AOAC 2013.01, bioMérieux VIDAS UP SPT
Food	Detection of <i>Salmonella</i> spp.	AOAC 996.08, bioMérieux VIDAS SLM
Food	Detection of <i>Salmonella</i> spp.	TS EN ISO 6579-1
Food	Enumeration of <i>Enterobacteriaceae</i>	bioMérieux TEMPO EB, 80 003
Food	Enumeration of Coagulase-Positive Staphylococci	bioMérieux TEMPO STA, 80 002
Food	Detection of <i>Listeria monocytogenes</i>	AOAC 2004.06, bioMérieux VIDAS <i>Listeria monocytogenes</i> II (LMO2)
Food	Enumeration of <i>Escherichia coli</i> EMS Technique	TS ISO 7251
Food	Aerobic Colony Count	bioMérieux TEMPO AC, 411 113
Food	Coliform Bacteria Count Colony Counting Technique	TS ISO 4832
Food	<i>Escherichia coli</i> Count Colony Counting Technique	TS ISO 16649-2
Food	Aerobic Colony Count Pour plate technique	TS EN ISO 4833-1



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Food	Coliform Bacteria Count	bioMérieux TEMPO TC, 80 006
Food	Coagulase-Positive Staphylococci Count - (<i>Staphylococcus aureus</i> and other species) Colony Counting Technique	TS EN ISO 6888-2
Food	<i>Enterobacteriaceae</i> Count Colony Counting Technique	TS ISO 21528-2
Food	Detection of <i>Listeria monocytogenes</i>	TS EN ISO 11290-1
Food	Mold and Yeast Count Colony Counting Technique	TS ISO 21527-1 TS ISO 21527-2
Food	Enumeration of <i>Escherichia coli</i> EMS Technique	TS EN ISO 16649-3
Food	<i>Bacillus cereus</i> Count Colony Counting Technique	TS EN ISO 7932
Food, Feed and Seed	GMO Screening Analysis (p35S, tNOS, pFMV) Real Time PCR Method Pretreatment: DNA Extraction	Kit Method (Eurofins GeneScan GMO Screen RT 35S/NOS/FMV IPC Test Kit Manual), ISO 21569, ISO 24276 Kit Method (Eurofins GeneSpin DNA Isolation Kit Manual), ISO 21571
Food, Feed and Seed	CV-127 Soy Event Identification Analysis Real Time PCR Method Pretreatment: DNA Extraction	EURL Method (QT-EVE-GM-011), ISO 21569, ISO 24276 Kit Method (Eurofins GeneSpin DNA Isolation Kit Manual), ISO 21571
Raw milk	Somatic Cell Count	LACTOSCAN SCC KIT 4 Instruction Manual
Meat and Meat Products	Species Identification (Pig, Bovine, Sheep, Poultry and Equine Search) ELISA Method	Kit Method (ELISA-TEK Cooked Meat Speciation Kits Manual)
Food, Feed and Seed	DAS-68416-4 Soy Event Identification Analysis Real Time PCR Method Pretreatment: DNA Extraction	EURL (QT-EVE-GM-013), ISO 21569, ISO 24276 Kit Method (Eurofins GeneSpin DNA Isolation Kit Manual), ISO 21571
Food, Feed and Seed	DP305423 Soy Event Identification Analysis Real Time PCR Method Pretreatment: DNA Extraction	EURL Method (QT-EVE-GM-008), ISO 21569, ISO 24276 Kit Method (Eurofins GeneSpin DNA Isolation Kit Manual), ISO 21571
Food, Feed and Seed	Plant-Specific Cotton Gene Search Real Time PCR Method Pretreatment: DNA Extraction	EURL Method (QT-TAX-GH-015), ISO 21569, ISO 24276 Kit Method (Eurofins GeneSpin DNA Isolation Kit Manual), ISO 21571
Food, Feed and Seed	Plant-Specific Soybean Gene Search Real Time PCR Method Pretreatment: DNA Extraction	EURL Method (QT-TAX-GM-002), ISO 21569, ISO 24276 Kit Method (Eurofins GeneSpin DNA Isolation Kit Manual), ISO 21571



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	Testing Laboratory	
	Address : İSMETPAŞA MAH. ATATÜRK CAD. GIDA KONTROL LABORATUVAR MÜDÜRLÜĞÜ No:29/ MERKEZ/ÇANAKKALE Çanakkale / Türkiye	Phone : +90 286 217 5818 Fax : +90 286 217 2031 Email : canakkale.gidalab@tarimorman.gov.tr Website : https://gidalab.tarimorman.gov.tr/canakkale
Food, Feed and Seed	Plant-Specific Maize Gene Search Real Time PCR Method Pretreatment: DNA Extraction	EURL Method (QT-TAX-ZM-002), ISO 21569, ISO 24276 Kit Method (Eurofins GeneSpin DNA Isolation Kit Manual), ISO 21571
Food, Feed and Seed	DAS 40278-9 Corn Event Identification Analysis Real Time PCR Method Pretreatment: DNA Extraction	EURL Method (QT-EVE-ZM-004), ISO 21569, ISO 24276 Kit Method (Eurofins GeneSpin DNA Isolation Kit Manual), ISO 21571
Honey	Determination of Moisture Refractometric Method	TS 13365
Vegetable oils	Determination Of Fatty Acid Composition (Methyl Esters) (Caproic Acid (C6:0), Caprylic Acid (C8:0), Capric Acid (C10:0), Lauric Acid (C12:0), Myristic Acid (C14:0), Palmitic Acid(C16:0), Palmitoleic Acid (C16:1), Heptadecenoic Acid (C17:1), Stearic Acid (C18:0), Oleic Acid (C18:1n9c), Linoleic Acid (C18:2n6t), Alpha-Linolenic Acid (C18:3n3), Arachidic Acid (C20:0), cis-11-Eicosenoic acid (C20:1n9), cis-11,14-Eicosadienoic Acid (C20:2), Behenic Acid (C22:0), Erucic Acid (C22: 1n9), Cis-13,16-Docosadienoic Acid (C22:2), Lignoceric Acid (C24:0), Nervonic Acid (C24:1)) GC-FID Method	TGK 2023/20
Vegetable oils	Determination of Sterol and Erythrodil+Uvaol Composition, [Cholesterol, Brassicasterol, Campesterol, Stigmasterol, A7- Stigmasterol, betasitosterol, A5-Avenasterol, A5-23 Stigmastadienol, Clerosterol, Sitostanol, A5-24- Stigmastadienol, A7-Avenasterol, Erythrodil+ Uvaol] GC-FID Method	TGK 2023/20
Vegetable Oils	Determination of Free Fatty Acids	TGK 2023/20
Food, Feed and Seed	Plant-Specific Canola Gene Search Real Time PCR Method Pretreatment: DNA Extraction	EURL Method (QT-TAX-BN-001), ISO 21569, ISO 24276 Kit Method (Eurofins GeneSpin DNA Isolation Kit Manual), ISO 21571
Food, Feed and Seed	GH811 Cotton Event Identification Analysis Real Time PCR Method Pretreatment: DNA Extraction	EURL Method (QT-EVE-GH-013), ISO 21569, ISO 24276 Kit Method (Eurofins GeneSpin DNA Isolation Kit Manual), ISO 21571
Cereals and by-products (Excluding starches and starch derivatives, and seeds)	Determination of Ash	TS EN ISO 2171
Shellfish	Biotoxins (ASP) Group (Domoic Acid) HPLC-UV Method	European Union Harmonised Standart Operating Procedure for Determination of Domoic Acid in Shellfish and Finfish by RP-HPLC Using UV Detection Version 1, June 2008
Shellfish	Biotoxins (PSP) Group (Saxitoxin, Gonyautoxin-1&4, Gonyautoxin-2&3, DecarbamoylSaxitoxin, DecarbamoylGonyautoxin2&3, Gonyautoxin-5, Gonyautoxin-6, C1-2, NeoSaxitoxin, Decarbamoyl NeoSaxitoxin) HPLC-FLD Method	AOAC 2005.06
Shellfish	Biotoxins (DSP) Group (Okadaic Acid, Dinophisistoxin-1, Dinophisistoxin-2, Azaspiracid-1, Azaspiracid-2, Azaspiracid-3, Yessotoxin, homoYessotoxin, Pectenotoksin-2) LC-MS/MS Method	European Union Reference Laboratory for Marine Biotoxins EU – Harmonized SOP determination of lipophilic marine biotoxins in molluscs by LC-MS/MS Version 5, January 2015



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Food, Feed and Seed	GHB614 Cotton Event Identification Analysis Real Time PCR Method Pretreatment: DNA Extraction	EURL Method (QT-EVE-GH-006), ISO 21570, ISO 24276 Kit Method (Eurofins GeneSpin DNA Isolation Kit Manual), ISO 21571
Food, Feed and Seed	MON87769 Soy Event Identification Analysis Real Time PCR Method Pretreatment: DNA Extraction	EURL Method (QT-EVE-GM-002), ISO 21570, ISO 24276 Kit Method (Eurofins GeneSpin DNA Isolation Kit Manual), ISO 21571
Food, Feed and Seed	MON87708 Soy Event Identification Analysis Real Time PCR Method Pretreatment: DNA Extraction	EURL Method (QT-EVE-GM-012), ISO 21570, ISO 24276 Kit Method (Eurofins GeneSpin DNA Isolation Kit Manual), ISO 21571
Food, Feed and Seed	MON87701 Soy Event Identification Analysis Real Time PCR Method Pretreatment: DNA Extraction	EURL Method (QT-EVE-GM-010), ISO 21570, ISO 24276 Kit Method (Eurofins GeneSpin DNA Isolation Kit Manual), ISO 21571
Food, Feed and Seed	3006-210-23 Cotton Event Identification Analysis Real Time PCR Method Pretreatment: DNA Extraction	EURL Method (QT-EVE-GH-001b), ISO 21570, ISO 24276 Kit Method (Eurofins GeneSpin DNA Isolation Kit Manual), ISO 21571
Food, Feed and Seed	281-24-236 Cotton Event Identification Analysis Real Time PCR Method Pretreatment: DNA Extraction	EURL Method (QT-EVE-GH-001a), ISO 21570, ISO 24276 Kit Method (Eurofins GeneSpin DNA Isolation Kit Manual), ISO 21571
Food, Feed and Seed	DAS-81419-2 Soy Event Identification Analysis Real Time PCR Method Pretreatment: DNA Extraction	EURL (QT-EVE-GM-014), ISO 21570, ISO 24276 Kit Method (Eurofins GeneSpin DNA Isolation Kit Manual), ISO 21571
Food, Feed and Seed	DAS-44406-6 Soy Event Identification Analysis Real Time PCR Method Pretreatment: DNA Extraction	EURL (QT-EVE-GM-015), ISO 21570, ISO 24276 Kit Method (Eurofins GeneSpin DNA Isolation Kit Manual), ISO 21571
Food, Feed and Seed	MON87751-7 Soy Event Identification Analysis Real Time PCR Method Pretreatment: DNA Extraction	EURL Method (QT-EVE-GM-016), ISO 21569, ISO 24276 Kit Method (Eurofins GeneSpin DNA Isolation Kit Manual), ISO 21571
Food, Feed and Seed	73496 Canola Event Identification Analysis Real Time PCR Method Pretreatment: DNA Extraction	EURL Method (QT-EVE-BN-009), ISO 21569, ISO 24276 Kit Method (Eurofins GeneSpin DNA Isolation Kit Manual), ISO 21571
Food, Feed and Seed	MON94100 Canola Event Identification Analysis Real Time PCR Method Pretreatment: DNA Extraction	EURL Method (QT-EVE-BN-014), ISO 21569, ISO 24276 Kit Method (Eurofins GeneSpin DNA Isolation Kit Manual), ISO 21571

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