



TURKISH ACCREDITATION AGENCY

## ACCREDITATION CERTIFICATE

As a Testing Laboratory

### Ulusal Gıda Referans Laboratuvar Müdürlüğü

Central Address: GAYRET MAH. FATİH SULTAN MEHMET BLV. NO:70 YENİMAHALLE Ankara / 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-0555-T**

**Accreditation Date : 02.10.2012**

**Revision Date / Number : 16.10.2023 / 09**


This certificate shall remain in force until **29.01.2025**, 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 on {1} with a secure electronic signature in accordance with the electronic signature law numbered 5070. Use the QR code to verify the e-signed document.*

 <p>Test TS EN ISO/IEC 17025 AB-0555-T</p>	<b>Ulusal Gıda Referans Laboratuvar Müdürlüğü</b>  Accreditation Nr: AB-0555-T Revision Nr: 09 Date: 16.10.2023	
	<b>Testing Laboratory</b>  Address : GAYRET MAH. FATİH SULTAN MEHMET BLV. NO:70 YENİMAHALLE Ankara / Türkiye	
	Phone : +90 312 327 4181 Fax : +90 312 327 4156 Email : <a href="mailto:ugrl@tarimorman.gov.tr">ugrl@tarimorman.gov.tr</a> Website : <a href="https://gidalab.tarimorman.gov.tr/gidareferans">https://gidalab.tarimorman.gov.tr/gidareferans</a>	


Food and Feed Products		
Tested Materials / Products	Name of Test	Testing Method (National, International Standards, In-house Methods)
Food, Feed and Seed	Soybean MON 40-3-2 (GTS-40-3-2) Identification and Quantity Analysis Real Time PCR Method Pre-Process: DNA Extraction	EURL Method (QT-EVE-GM-005), ISO 21570, ISO24276 Kit Method (Eurofins Genespin DNA Isolation Kit Manual ISO 24276)
Food, Feed and Seed	Soybean MON 89788 Identification and Quantity Analysis Real Time PCR Method Pre-Process: DNA Extraction	EURL Method (QT-EVE-GM-006), ISO 21570, ISO24276 Kit Method (Eurofins Genespin DNA Isolation Kit Manual), ISO 21571
Food, Feed and Seed	Soybean A 2704-12 Identification and Quantity Analysis Real Time PCR Method Pre-Process: DNA Extraction	EURL METHOD (QT-EVE-GM-004), ISO 21570, ISO24276 Kit Method (Eurofins Genespin DNA Isolation Kit Manual), ISO 21571
Food, Feed and Seed	Maize GA 21 Identification and Quantity Analysis Real Time PCR Method Pre-Process: DNA Extraction	EURL METHOD (QT-EVE-ZM-007), ISO 21570, ISO24276 Kit Method (Eurofins Genespin DNA Isolation Kit Manual), ISO 21571
Food, Feed and seed	Soybean DP356043-5 Identification and Quantity Analysis Real Time PCR Method Pre-Process: DNA Extraction	EURL Method (QT-EVE-GM-009), ISO 21570, ISO 24276 Kit Method (Eurofins Genespin DNA Isolation Kit Manual), ISO 21571
Food, Feed and Seed	Soybean A5547-127 Identification and Quantity Analysis Real Time PCR Method Pre-Process: DNA Extraction	EURL Method (QT-EVE-GM-007), ISO 21570, ISO 24276 Kit Method (Eurofins Genespin DNA Isolation Kit Manual), ISO 21571
Food, Feed and Seed	Soybean MON87705 Identification and Quantity Analysis Real Time PCR Method Pre-Process: DNA Extraction	EURL Method (QT-EVE-GM-003), ISO 21570, ISO24276 Kit Method (Eurofins Genespin DNA Isolation Kit Manual), ISO 21571
Food, Feed and Seed	Cotton GHB614 Identification and Quantity Analysis Real Time PCR Method Pre-Process: DNA Extraction	EURL Method (QT-EVE-GH-006), ISO, 21570, ISO24276 Kit Method (Eurofins Genespin DNA Isolation Kit Manual), ISO 21571
Food, Feed and Seed	Soybean MON87769 Identification and Quantity Analysis Real Time PCR Method Pre-Process: DNA Extraction	EURL Method (QT-EVE-GM-002), ISO, 21570, ISO24276 Kit Method (Eurofins Genespin DNA Isolation Kit Manual), ISO 21571
Food, Feed and Seed	Soybean MON87708 Identification and Quantity Analysis Real Time PCR Method Pre-Process: DNA Extraction	EURL Method (QT-EVE-GM-012), ISO, 21570, ISO24276 Kit Method (Eurofins Genespin DNA Isolation Kit Manual), ISO 21571



 <p style="text-align: center;"><b>Ulusal Gıda Referans Laboratuvar Müdürlüğü</b></p> <p style="text-align: center;">Accreditation Nr: AB-0555-T Revision Nr: 09 Date: 16.10.2023</p>		
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Food, Feed and Seed	Soybean CV127 Identification and Quantity Analysis  Real Time PCR Method  Pre-Process: DNA Extraction	EURL Method (QT-EVE-GM-011), ISO 21570, ISO24276 Kit Method (Eurofins Genespin DNA Isolation Kit Manual), ISO 21571
Food, Feed and Seed	Cotton 3006-210-23 Identification and Quantity Analysis  Real Time PCR Method  Pre-Process: 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	Cotton 281-24-236 Identification and Quantity Analysis  Real Time PCR Method  Pre-Process: 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	Soybean MON87701 Identification and Quantity Analysis  Real Time PCR Method  Pre-Process: 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	Soybean DAS-81419-2 Identification and Quantity Analysis  Real Time PCR Method  Pre-Process: DNA Extraction	EURL Method (QT-EVE-GM-014) ISO21570, ISO24276 Kit Method (Eurofins Genespin DNA Isolation Kit Manual), ISO 21571
Food, Feed and Seed	Soybean DAS-44406-6 Identification and Quantity Analysis  Real Time PCR Method  Pre-Process: DNA Extraction	EURL Method (QT-EVE-GM-015) ISO21570, ISO24276 Kit Method (Eurofins Genespin DNA Isolation Kit Manual), ISO 21571
Food, Feed and Seed	Soybean FG72 Identification and Quantity Analysis  Real Time PCR Method  Pre-Process: DNA Extraction	EURL Method (QT-EVE-GM-001) ISO21570, ISO24276 Kit Method (Eurofins Genespin DNA Isolation Kit Manual), ISO 21571
Food, Feed and Seed	Cotton GHB 119 Identification and Quantity Analysis  Real Time PCR Method  Pre-Process: DNA Extraction	EURL Method(QT-EVE-GH-008) ISO21570, ISO24276 Kit Method (Eurofins Genespin DNA Isolation Kit Manual) ISO 21571
Food, Feed and Seed	Soybean DAS-68416-4 Identification and Quantity Analysis  Real Time PCR Method  Pre-Process: DNA Extraction	EURL Method (QT-EVE-GM-013) ISO21570, ISO24276 Kit Method (Eurofins Genespin DNA Isolation Kit Manual) ISO 21571
Food, Feed and Seed	Soybean DP 305423 Identification and Quantity Analysis  Real Time PCR Method  Pre-Process: DNA Extraction	EURL Method (QT-EVE-GM-008), ISO 21570, ISO 24276 Kit Method (Eurofins Genespin DNA Isolation Kit Manual), ISO 21571
Food, Feed and Seed	Maize DAS 40278-9 Identification and Quantity Analysis  Real Time PCR Method  Pre-Process: DNA Extraction	EURL Method (QT-EVE-ZM-004), ISO 21569, ISO 24276 Kit Method (Eurofins Genespin DNA Isolation Kit Manual), ISO 21571 ISO 21570
Food, Feed and Seed	GMO Screening Analysis (p35S, tNOS, pFMV)  Real Time PCR Method  Pre-Process: DNA Extraction	Kit Method (EurofinsGeneScan GMO Screen RT 35S/NOS/FMV IPC Test Kit)", ISO 21569, ISO 24276 Kit Method (Eurofins Genespin DNA Isolation Kit Manual), ISO 21571




## Accreditation Scope

 <p><b>TÜRKAK</b></p> <p>Test TS EN ISO/IEC 17025 AB-0555-T</p>	<b>Ulusal Gıda Referans Laboratuvar Müdürlüğü</b>	
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Food, Feed and Seed	Soybean MON87751 Identification and Quantity Analysis  Real Time PCR Method  Pre-Process: DNA Extraction	EURL Method (QT-EVE-GM-016), ISO 21570, ISO 24276 Kit Method (Eurofins Genespin DNA Isolation Kit Manual), ISO 21571
Meat and Meat Products	Foreign Tissue Determination  Microscopic Method	TS 13511
Food and Feed	Detection of <i>Salmonella</i> spp	TS EN ISO 6579-1
Food and Feed	Detection of <i>Salmonella</i> spp. (Rapid Test)	AOAC 2013.01 bioMerieux VIDAS UP SPT
Isolates of <i>Salmonella</i> spp	Serotyping of <i>Salmonella</i> spp	ISO/TR 6579-3
Food	Detection of Staphylococcal Enterotoxin	bioMerieux VIDAS SET 2 30705
Food, Food Additives and Food Supplements (Including babies and infant formulas)	Analysis of total dioxin and Dioxin-like PCBs (WHO PCDD/F/PCB-TEQ)  GC-HRMS method	EPA 1613B EPA 1668B
Food, Food Additives and Food Supplements (Including babies and infant formulas)	Analysis of indicator PCBs (PCB28, PCB52, PCB101, PCB138, PCB153, ve PCB180 (ICES-6 total))  GC-HRMS method	EPA 1613B EPA 1668B
Food, Food Additives and Food Supplements (Including babies and infant formulas)	Analysis of total dioxin (WHO PCDD/F-TEQ)  GC-HRMS method	EPA 1613B
Feed, Feed Additives	Analysis of total dioxin (WHO PCDD/F-TEQ)  GC-HRMS method	TS EN 16215
Feed, Feed Additives	Analysis of total dioxin and Dioxin-like PCBs (WHO PCDD/F/PCB-TEQ)  GC-HRMS method	Analysis of total dioxin and Dioxin-like PCBs (WHO PCDD/F/PCB-TEQ) GC-HRMS method
Feed, Feed Additives	Analysis of indicator PCBs (PCB28, PCB52, PCB101, PCB138, PCB153, ve PCB180 (ICES-6 total))  GC-HRMS method	TS EN 16215
Food and Food Additives	Determination of Lead (Pb), Cadmium (Cd), Arsenic (As)  ICP-MS Method	NMKL 186
Hazelnut	Detection of Aflatoxin B1 and Total Aflatoxin (B1+B2+G1+G2)  HPLC-FLD Method	TS ISO 16050
Dried Fig	Detection of Aflatoxin B1 ve Total Aflatoxin (B1+B2+G1+G2)  HPLC-FLD Method	TS EN 14123
Dried Vine Fruit	Detection of Ochratoxin A  HPLC-FLD Method	VICAM Ochratoxin A and Ochratoxin B Instruction Manual G9551 REV B
Food ("Eggs")	Detection and Quantification Analysis of Some Selected Pesticides  LC-MS-MS Method (2 compounds)  Fipronil, Fipronil sulfone	AOAC 2007.01



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Honey	<p>Naphthalene Analysis</p> <p>Headspace-GC-MS Method</p>	<p>In house method (PES.MT-01)</p> <p>(Modified Simple Isotope Dilution Headspace-GC-MS Analysis of Naphthalene and p-Dichlorobenzene in Whole Blood and Urine. Analytical Sciences, 2009, Vol:25, 1301-1305)</p>
Food ("High water content" and "High acid content and high water content")	<p>Detection and Quantification Analysis of Some Selected Pesticides</p> <p>LC-MS-MS Method (366 compounds)</p> <p>2,4-D; 6-benzyladenine; 8 Hydroxyquinoline; Abamectin (Avermectin B1a); Acephate; Acetamidiprid; Acibenzolar-S-methyl; Aclonifen; Alachlor; Aldicarb; Aldicarb-sulfone; Aldicarb-sulfoxide; Alpha-Cypermethrin; Ametocradin; Amidosulfuron; Amitraz; Atrazine; Atrazine-desethyl; Atrazine-desisopropyl; Azadirachtin; Azimsulfuron; Azinphos-ethyl; Azinphos-methyl; Azoxystrobin; Benalaxyl; Bendiocarb; Benfuracarb; Benomyl; Bensulfuron-methyl; Bentazone; Benzobicyclon; Bicyclopyrone; Bifenazate; Bifenox; Bifenthrin; Bispyribac; Bixafen; Boscalid; Bromoxynil; Bupirimate; Buprofezin; Butralin; Carbaryl; Carbandazim; Carbofuran; Carbofuran-3-hydroxy; Carbosulfan; Carboxin; Carfentrazone-ethyl; Chlorantraniliprole; Chloraloturan; Chlorfenvinphos; Chlorfluzauron; Chloridazon; Chlormequat; Chlorpopham; Chlorpyrifos; Chlorpyrifos-methyl; Chlorsulfuron; Cinidon-ethyl; Clethodim; Clodinafop-propargyl-ester; Clofentezine; Clomazone; Clothianidin; Cyantraniliprole; Cyazofamid; Cychloheximide; Cyclanilide; Cycloate; Cycloxydim; Cyflufenamid; Cyflumetafen; Cyhalofop-butyl; Cymoxanil; Cypermethrin; Cyproconazole; Cyprodinil; Cyromazine; Dazomet; Deltamethrin; Demeton-S-methyl-sulfone; Demeton-S-methyl-sulfoxide; Desmedipham; Diafenthiuron; Diazinon; Dichlofluanid; Dichlorprop-P; Dichlorvos; Dicrotophos; Diethofencarb; Difenconazole; Diflubenzuron; Dimethachlor; Dimethenamid; Dimethoate; Dimethomorph; Dinocap; Dioxacarb; Dioxathion; Diphenamid; Disulfoton-sulfoxide; Dithianon; Diuron; DMA; DMF; DMPF; DMSA; DNOC; Doline; Emamectin benzoate B1a; EPN; Epoxiconazole; Ethamet sulfuron methyl; Ethiofencarb; Ethion; Ethirimol; Ethofumesate; Ethoxyquin; Ethoxysulfuron; Etofenprox; Etrifos; Famoxadone; Famphur (Famophos); Fenamidone; Fenamiphos; Fenamiphos-sulfone; Fenamiphos-sulfoxide; Fenarimol; Fenazaquin; Fenbuconazole; Fenbutatin oxide; Fenhexamid; Fenpropop; Fenoxaprop-ethyl; Fenoxaprop-P; Fenoxycarb; Fenproprathrin; Fenpropidin; Fenpropimorph; Fenpyrazamine; Fenpyroximate; Fenthion; Fenthion-sulfone; Fenthion-sulfoxide; Fentin; Fenuron; Fipronil; Fipronil-sulfone; Flazasulfuron; Fonicamide; Florypraxifen-benzyl; Fluzifop-P-butyl; Fluzinam; Flubendiamide; Flucarbazon sodium; Fludioxonil; Flufenacet; Flufenoxuron; Flufenzin; Flumeturon; Fluopicolide; Fluopyram; Fluoxastrobin; Flupyradifone; Fluquinconazole; Flurochloridone; Fluroxypyr; Fluthiacet methyl; Flutolanil; Flutriafol; Fluvinate-tau; Fluxapyroxad; Fomesafen; Fonofos; Foramsulfuron; Forchlorfenuron; Formetanate; Fosthiazate; Furathiocarb; Halosulfuron methyl; Haloxyfop-2-ethoxyethyl; Haloxyfop-P (Haloxyfop-R); Haloxyfop-R-methyl; Hexaflumuron; Hexythiazox; Imazalil; Imazamox; Imazapic; Imazapyr; Imazethapyr; Imidacloprid; Indaziflam; Indolybutyric acid; Indoxacarb; Iodosulfuron-methyl-sodium; Ioxynil; Iproconazole; Iprodione; Isocarbofos; Isoprazam; Isoxaben; Isoxalutole; Kresoxim-methyl; Lenacil; Linuron; Lufenuron; Malaoxon; Malathion; Mandipropamid; MCPA; MCPA-2-ethylhexyl ester; MCPB; Mecarban; Mefentrifluconazole; Mepiquat; Meptyldinocap; Mesosulfuron methyl; Mesotrione; Metaflumizone; Metalaxyl; Metalaxyl-M; Metamitron; Metazachlor; Metconazole; Methabenzthiazuron; Methacrifos; Methamidophos; Methidathion; Methiocarb; Methiocarb-sulfone; Methiocarb-sulfoxide; Methomyl; Methoxyfenozide; Metolachlor; Metosulam; Metrafenone; Metribuzin; Metsulfuron-methyl; Mevinphos; Molinate; Monocrotophos; Monolinuron; Myclobutanil; Napropamide; Nicosulfuron; Norflurazon; Novaluron; Omethoate; Orthosulfamuron; Oxadiazon; Oxadixyl; Oxamyl; Oxycarboxin; Paclobutrazol; Paraoxon-ethyl; Paraoxon-methyl; Penconazole; Pencycuron; Pendimethalin; Penflufen; Penoxsulam; Penthioyprad; Permethrin; Phenmedipham; Phenthoate ; Phorate ; Phorate-sulfone ; Phosalone; Phosmet; Phosphamidon; Picloram; Picoxystrobin; Pinoxaden; Pirimicarb; Pirimicarb-desmethyl; Pirimiphos-ethyl; Pirimiphos-methyl; Prochloraz; Profenofos; Profoxydim-lithium; Promecarb; Prometryn; Propaquizafop; Propargite ; Propazine; Propiconazole; Propomacarb-hydrochloride; Propoxur; Propoxycarbozone; Propylene thiourea; Propyzamide; Proquinazid; Prosoflucarb; Prothioconazole desthio; Pymetrozine; Pyraclostrobin; Pyraflufen-ethyl; Pyrazophos; Pyrethrins; Pyridaben; Pyridafol (CL 9673); Pyridalyl; Pyridaphenthiol; Pyridate; Pyrimidifen; Pyriofenon; Pyriproxyfen; Pyroxasulam; Quinalphos; Quinlorac; Quinmerac; Quizalofop-P-ethyl; Rimsulfuron; Sedaxane; Sethoxydim; Simazine; Spinetoram; Spinosyn A; Spinosyn D; Spirodiclofen; Spiromesifen; Spirotetramat; Spiroxamine; Sulfasulfuron; Sulfaxafop; Tebufenozide; Teflubenzuron; Tembotrione; Tepraloxymid; Terbumeton; Terbumeton-desethyl; Terbutylazine; Terbutryn; Tetrachlorvinphos; Tetramethrin; Thiabendazole; Thiadiprid; Thiamethoxam; Thiencazone methyl; Thifensulfuron-methyl; Thiodicarb; Thiophanate-methyl; Tolyfluanid; Tralkoxydim; Triadimefon; Triadimenol; Triallate; Triasulfuron; Triazophos; Tribenuron methyl; Trichlorfon; Tridemorph; Trifloxistrobin; Trifloxysulfuron; Triflumizole; Triflururon; Trifluralin; Triforine; Trinexapac ethyl; Triticonazole; Tritosulfuron; Valifenalate; Vamidothion; Zoxamide</p>	AOAC 2007.01
Food ("High water content" and "High acid content and high water content")	<p>Detection and Quantification Analysis of Some Selected Pesticides</p> <p>GC-MS-MS Method (182 compounds)</p> <p>2,4-D-Methylester; 2,4-DMF; 2-Phenylphenol; 3,5-Dichloroaniline; 3-Chloroaniline; Acetochlor; Acrinathrin; Aldrin; Alpha-cypermethrin; Azobenzene; Benfluralin; Beta-cyfluthrin; Biphenyl; Bitertanol; Boscalid; Bromfenvinphos; Bromophos; Bromophos-ethyl; Bromopropylate; Bromuconazole; Butylate; Cadusafos; Captan; Carbofenothion; Chinomethionat; Chlorbenseide; Chlorbufam; Chlordane-cis-; Chlordane-trans-; Chlordecone; Chlordane; Chlorfenapyr; Chlorfenprop-methyl; Chlorfenson; Chlorothalonil; Chlorpyrifos methyl; Chlorpyrifos; Chlorthal-dimethyl; Cinidon-ethyl; Coumaphos; Cyanazine; Cyanofenphos; Cyanophos; Cyfluthrin; Cyhalothrin-lambda; Cypermethrin; Dazomet; DDD-o,p'; DDD-p,p'; DDE-o,p'; DDE-p,p'; DDT-o,p'; DDT-p,p'; Deltamethrin; Demeton-S; Demeton-S-methyl; Dichlofenthion; Dichlorobenzophenone-p,p'; Diclofop-methyl; Dicloran; Dicofof; Dieldrin; Diflufenican; Dimethipin; Diniconazole; Dinobuton; Dioxabenzofos; Diphenylamine; Disulfoton sulfone; Disulfoton sulfoxide; Disulfoton; Ditalimfos; DMSA; DMST; Endosulfan-alpha; Endosulfan-beta; Endosulfan-ether; Endosulfan-sulfate; Endrin aldehyde; Endrin ketone; Endrin; EPTC; Esfenvalerate; Etaconazole; Ethalfuralin; Ethion; Ethofumesate-2-keto; Ethoprophos; Etoazole; Etridiazole; Famphur; Fenamiphos; Fenarimol; Fenchlorfos-oxon; Fenchlorphos; Fenitrothion; Fenproprathrin; Fenson; Fensulfuthion; Fenthion; Fenuron; Fenvalerate; Flamprop-isopropyl; Flamprop-M-methyl; Flucytrinate; Flusilazole; Fluvinate-tau; Folpet; Formothion; HCH alpha; HCH beta; HCH delta; Heptachlor endo-epoxide isomer A; Heptachlor exo-epoxide isomer B; Heptachlor; Heptenophos; Hexachlor-1,3-butadiene; Hexachlorobenzene; Hexaconazole; Iodofenphos (jodfenphos); Iprobenfos; Iprodione; Iprovalicarb; Isodrin; Isofenphos; Isoprothiolane; Kresoxim methyl; Leptophos; Lindane (HCH gamma); Lindane (HCH gamma); Mefenpyr-diethyl; Mepanipyrin; Mepanipyrim-2-hydroxypropyl; Mephospholan; Methoxychlor; Mirex; Nitrofen; Nuarimol; Ofurace; Oxyfluorfen; Parathion-ethyl; Parathion-methyl; Pentachloroaniline; Pentanochlor; Pethoxamid; Phenthoate; Phorate; Phorate-sulfone; Phtalimide; Piperonyl butoxide; Procymidone; Propachlor; Propanil; Propargite; Propetamphos; Propam; Prothiofos; Pyridalyl; Pyrimethanil; Quinalphos; Quinoxifen; Quintozene; Resmethrine; Sulprofos; Tebufenpyrad; Tecnazene; Tefluthrin; Terbacil; Terbufos; Terbumeton; Terbumeton-desethyl; Terbutylazine-desethyl; Tetraconazole; Tetradifon; Tetrahydrophthalimide,cis-1,2,3,6; Tetramethrin; Tetrasul; Thiobencarb; Thiometon; Tolclofos-methyl; Tolfenpyrad; Trifluralin; Vinclozolin</p>	AOAC 2007.01
Meat and Meat Products	<p>Species Identification of Meat (Poultry, Pork and Horse)</p> <p>ELISA Method</p> <p>Pre-treatment: Protein extraction</p>	<p>Kit Method (ELISA-TEK Cook Meat Speciation Kit Procedure)</p>




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<b>Testing Laboratory</b>		
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Herbal Product Compositions  (Food Supplements, Energy Drinks, Herbal Tea, Herbal Tea and Coffee Products, Herbal Paste, Soft Drinks, Chocolate, etc.)	Determination of Drug Active Ingredients/ Pharmaceuticals  LC IMS QToF Method/ Orbitrap Mass Spectrometer  <u>Nonsteroidal anti-inflammatory drug ( 10 Pieces)</u> İbuprofen; Parasetamol; Fenilbutazon; Diklofenak; Mefenamik asit; Metamizol; İndometazin; Ketoprofen; Naproksen; Fenasetin <u>Anticholinergic drug (2 Pieces)</u> Atropin; Skopolamin <u>Corticosteroids (5 Pieces)</u> 6- $\alpha$ -metilprednizolon; Betametazon; Dekzametazon; Triamsinolon; Prednizolon <u>Beta Agonists (1 Piece)</u> Klenbuterol <u>H2 receptor blockers (1 Piece)</u> Omeprazol <u>PDE5 inhibitors (20 Adet)</u> Sildenafil; Asetildenafil; Dimetil sildenafil; Homosildenafil; Hidroksihomosildenafil; Hidroksitiyohomo Sildenafil; Tiyohomo Sildenafil; Tiyosildenafil; Tiyodimetilsildenafil; Tadalafil; Vardenafil; Yohimbin; Hidroksi Klorodenafil; Avanafil; Fondenafil; Nitrodenafil; Sildenafil amid; Propoksifenil tiyohidroksihomo sildenafil; Propoksifenil homohidroksi sildenafil; Benzil sildenafil <u>Appetite depressant property adjuncts (8 Pieces)</u> Sibutramin; Desmetil sibutramin; Didesmetil sibutramin; (N,N-didemetil)1-hidroksi sibutramin; Homo sibutramin; Benzil sibutramin; Kloro sibutramin; 2,4-Dinitrofenol (DNP) <u>Psychostimulant drugs (4 Pieces)</u> Amfetamin; Efedrin; Psödoefedrin; Norpsödoefedrin <u>Antihistamines (1 Piece)</u> Klorfeniramin <u>Diuretics (2 Pieces)</u> Furosemit; Hidroklorotiazit <u>Antimicrobials (1 Piece)</u> Natamisin <u>Diabetics (9 Pieces)</u> Rosiglitazone; Glipizide; Repaglinide; Gliklazid; Metformin; Glibenklamid (Glyburide); Phenformin(Fenformin);Glimepiride; Tolbutamide <u>Angiotensin-converting-enzyme inhibitors (24 Pieces)</u> Hidralazin; Lisinopril; Klonidin; Triamteren; Minoksidil; Metoprolol; Prazosin; Fentolamin; Benazepril; Enalapril; Ramipril; Digitoksin. Chlortalidone; Amlodipin; Valsartan; Nitrendipin; Felodipin; Kinidin; Verapamil; Labetalol; Karvedilol; Nifedipin; Dobutamin; Kaptopril <u>Cannabinoids (6 Pieces)</u> Kannabigerol; Kannabinol; Kannabidiol; Tetra Hidro Kannabinol; Tetra Hidro Kannabinolik Asit; Kannabidiolik asit. <u>Hypolipidemic agent (7 Pieces)</u> Simvastatin; Mevastatin; Lovastatin; Fluvastatin; Rosuvastatin; Atorvastatin; Ptavastatin. <u>Serotonin inhibitors (8 Pieces)</u> Zimeldin; Fluoksetin; Sertralın; Paroksetin; Dapoksetin; Sitalopram; Fluvoksamin; D,L-Venlafaksinin	Inhouse method (GTB.MT-01/Rev.05) (modified from Journal of Pharmaceutical and Biomedical Analysis 41 (2006) 554-564)
Feed	Determination of Moisture	Official Gazette No. 29955 (Regulation on sampling and analysis methods for official control of feed) EC 152/2009
Food, Feed and Seed	Maize 5307 Identification and Quantity Analysis  Real Time PCR Method  Pre-Process: DNA Extraction	EURL Method (QT-EVE-ZM-002), ISO 21570, ISO 24276 Kit method (Eurofins GeneScan GeneSpin), ISO 21571
Food, Feed and Seed	Maize MON87403 Identification and Quantity Analysis  Real Time PCR Method  Pre-Process: DNA Extraction	EURL Method (QT-EVE-ZM-025), ISO 21570, ISO 24276 Kit method (Eurofins GeneScan GeneSpin), ISO 21571
Food, Feed and Seed	Maize MON87411 Identification and Quantity Analysis  Real Time PCR Method  Pre-Process: DNA Extraction	EURL Method (QT-EVE-ZM-024), ISO 21570, ISO 24276 Kit method (Eurofins GeneScan GeneSpin), ISO 21571
Food, Feed and Seed	Maize MZHGOJG Identification and Quantity Analysis  Real Time PCR Method  Pre-Process: DNA Extraction	EURL Method (QT-EVE-ZM-027), ISO 21570, ISO 24276 Kit method (Eurofins GeneScan GeneSpin), ISO 21571
Food, Feed and Seed	Maize DP4114 Identification and Quantity Analysis  Real Time PCR Method  Pre-Process: DNA Extraction	EURL Method (QT-EVE-ZM-026), ISO 21570, ISO 24276 Kit method (Eurofins GeneScan GeneSpin), ISO 21571
Sports Supplements	Anabolic steroid / hormone analysis  LC IMS QTOF Method / Orbitrap Mass Spectrometer (32 Pieces)  Clostebol (4-Chlorotestosterone); 5 $\alpha$ -Dihydrotestosterone; Ethisterone; Fluoxymesterone; 17 $\alpha$ -Methyltestosterone; Androstenedione; Androsterone, Nandrolone (19-Nortestosterone) ; Mibolerone; Bolandione (19-Norandrostendione) ; Boldenone; 1-Testosterone (5 $\alpha$ -Androst-1-en), Methenolone; Trenbolone; 17 $\alpha$ -Hydroxyprogesterone; Melengestrol acetate; Stanozolol; Danazol; Testosterone propionate; Boldenone acetate; Boldenone propionate; Boldenone undecylenate; Testosterone; Testosterone 17-O-acetate; Testosterone 17-phenylpropionate; Testosterone benzoate; Testosterone cypionate; Testosterone enanthate; Testosterone 17-isocaproate; Medroxyprogesterone Acetate; Methyl-1-testosterone; Oxandrolone	Analytica Chimica Acta 586(2007)35-42





## Accreditation Scope

 <p>Test TS EN ISO/IEC 17025 AB-0555-T</p>	<b>Ulusal Gıda Referans Laboratuvar Müdürlüğü</b>  Accreditation Nr: AB-0555-T Revision Nr: 09 Date: 16.10.2023	
	<b>Testing Laboratory</b>  <b>Address :</b> GAYRET MAH. FATİH SULTAN MEHMET BLV. NO:70 YENİMAHALLE Ankara / Türkiye	
	Phone : +90 312 327 4181 Fax : +90 312 327 4156 Email : ugrl@tarimorman.gov.tr Website : https://gidalab.tarimorman.gov.tr/gidareferans	

Food (“High starch and/or protein content and low water and fat content”)	Detection and Quantification Analysis of Some Selected Pesticides  GC-MS-MS Method (176 compounds)  2,4-D-Methylester; 2,4-DMF; 2-Phenylphenol; 3,5-Dichloroaniline; 3-Chloroaniline; Acetochlor; Acrinathrin; Aldrin; Alpha-cypermethrin; Azobenzene; Beta-cyfluthrin; Bifenyl; Bitertanol; Boscalid; Bromfenvinphos; Bromophos; Bromophos-ethyl; Bromopropylate; Bromuconazole; Butylate; Cadusafos; Captan; Carbophenothion; Chinomethionat; Chlorbenside; Chlorbufam; Chlordane-cis-; Chlordane-trans-; Chlordene; Chlorfenapyr; Chlorfenprop-methyl; Chlorfenson; Chlorothalonil; Chlorpyrifos methyl; Chlorpyrifos; Chlorthal-dimethyl; Cinidon-ethyl; Coumaphos; Cyanazine; Cyanofenphos; Cyanophos; Cyfluthrin; Cyhalothrin-lambda; Cypermethrin; Dazomet; DDD-o.p.; DDD-p.p.; DDE-o.p.; DDE-p.p.; DDT-o.p.; DDT-p.p.; Deltamethrin; Demeton-S; Demeton-S-methyl; Dichlofenthion; Dichlorobenzophenone-p.p.; Diclufop-methyl; Dicloran; Dicofof; Dieldrin; Diflufenican; Diniconazole; Dioxabenzofos; Diphenylamine; Disulfoton sulfone; Disulfoton sulfoxide; Disulfoton; Ditalimfos; DMSA; DMST; Endosulfan-alpha; Endosulfan-beta; Endosulfan-ether; Endosulfan-sulfate; Endrin aldehyde; Endrin ketone; Endrin; EPTC; Esfenvalerate; Etaconazole; Ethalfuralin; Ethion; Ethofumesate-2-keto; Ethoprophos; Etoazole; Famphur; Fenamiphos; Fenarimol; Fenchlorfos-oxon; Fenchlorphos; Fenitrothion; Fenpropathrin; Fenson; Fensulfothion; Fenthion; Fenuron; Fenvalerate; Flamprop-isopropyl; Flamprop-M-methyl; Flucythrinate; Flusilazole; Fluvalinate-tau; Folpet; Formothion; HCH alpha; HCH beta; HCH delta; Heptachlor endo-epoxide isomer A; Heptachlor exo-epoxide isomer B; Heptachlor; Heptenophos; Hexachlor-1,3-butadiene; Hexachlorobenzene; Hexaconazole; Iodofenphos (jodfenphos); Iprobenfos; Iprodione; Iprovalcarb; Isodrin; Isofenphos; Isoprothiolane; Kresoxim methyl; Lepofos; Lindane (HCH gamma); Mefenpyrim-diethyl; Mepanipirim; Mepanipirim-2-hydroxypropyl; Mephospholan; Methoxychlor; Mirex; Nitrofen; Nuarimol; Ofurace; Oxyfluorfen; Parathion-ethyl; Parathion-methyl; Pentachloroaniline; Pentanochlor; Pethoxamid; Phenthoate; Phorate; Phorate-sulfone; Phtalimide; Piperonyl butoxide; Procyimidone; Propachlor; Propanil; Propargite; Propetamphos; Propham; Prothiofos; Pyrimethalin; Quinalphos; Quinoxifen; Quintozene; Resmethrine; Sulprofos; Tebufenpyrad; Tecnazene; Tefluthrin; Terbacil; Terbufos; Terbumeton; Terbumeton-desethyl; Terbutylazine-desethyl; Tetraconazole; Tetradifon; Tetrahydrophtalimide.cis-1,2,3,6; Tetramethrin; Tetrasul; Thiobencarb; Thiometon; Tolclofos-methyl; Tolfenpyrad; Trifluralin; Vinclozolin	EN 15662
Food (“High starch and/or protein content and low water and fat content”)	Seçilmiş Bazı Pestisitlerin Tespiti ve Miktarının Belirlenmesi Analizi  LC-MS-MS Metodu (267 ADET)  2,4-D; 2,4-Dimethylaniline; 2,4-DMF ; Abamectin (Avermectin B1a); Acephate; Acetamidiprid; Alachlor; Aldicarb; Aldicarb-sulfone; Aldicarb-sulfoxide; Alpha-Cypermethrin; Ametoctradin; Amitraz; Atrazine; Atrazine-desethyl; Atrazine-desisopropyl; Azinphos-ethyl; Azinphos-methyl; Azoxystrobin; Benalaxyl; Benfuracarab; Bensulfuron-methyl; Bentazon; Bifenox; Bifenthrin; Boscalid; Bromoxynil; Bupirimate; Buprofezin; Butralin; Carbaryl; Carbazendazin; Carbofuran; Carbofuran-3-hydroxy; Carbosulfan; Carboxin; Carfentrazone-ethyl; Chlorantraniliprole; Chlorfenvinphos; Chlorfluazuron; Chloridazon; Chlormequat; Chlorpopham; Chlorpyrifos; Chlorpyrifos-methyl; Chlorsulfuron; Cinidon-ethyl; Clethodim; Clodinafop-propargyl-ester; Clotefentzine; Clothianid; Cyazofamid; Cychloheximide; Cyclanilide; Cycloate; Cyflufenamid; Cymoxanil; Cypermethrin; Cyproconazole; Cyprodinil; Cyromazine; Dazomet; Deltamethrin; Demeton-S-methyl-sulfone; Demeton-S-methyl-sulfoxide; Desmedipham; Diafenthiuron; Diazinon; Dichlofluanid; Dichlorprop-P; Dichlorvos; Dicrotophos; Diethofencarb; Diflufenazuron; Dimethenamid; Dimethoate; Dimethomorph; Dinocap; Dioxacarb; Dioxathion; Diphenamid; Disulfoton-sulfoxide; Diuron; ; DMSA; Dodine; Emamectin benzoate B1a; Epoxiconazole; Ethiofencarb; Ethion; Ethirimol; Ethofumesate; Ethoxyquin; Etofenprox; Etrifos; Famoxadone; Famphur (Famophos); Fenamidone; Fenamiphos; Fenamiphos-sulfone; Fenamiphos-sulfoxide; Fenarimol; Fenazaquin; Fenbuconazole; Fenbutatin oxide; Fenhexamid; Fenoprop (2,4,5-TP); Fenoxaprop-ethyl; Fenoxaprop-P; Fenoxycarb; Fenpropathrin; Fenpropidin; Fenpropimorph; Fenpyroximate; Fenthion; Fenthion-sulfone; Fenthion-sulfoxide; Fenuron; Fipronil; Fipronil-sulfone; Fluaizop-P-butyl; Fluzazinam; Flubendiamide; Fludioxonil; Flufenoxuron; Fluopicolide; Fluopyram; Flurochloridone; Flutriafol; Fluvalinate, tau-; Fonofos; Forchlorfenuron; Formetanate; Fosthiazate; Furathiocarb; Haloxyfop-2-ethoxyethyl; Haloxyfop-P (Haloxfop-R); Haloxyfop-R-methyl; Hexaflumuron; Hexythiazox; Imazalil; Imazapic; Imazethapyr; Imidacloprid; Indoxacarb; Iodosulfuron-methyl-sodium; Ioxynil; Iprodione; Isocarbofos; Isopyrazam; Kresoxim-methyl; Lenacil; Linuron; Lufenuron; Malaaxon; Malathion; Mandipropamid; MCPA; MCPA-2-ethylhexyl ester; MCPB; Mecarbam; Mepiquat; Metalaxyl; Metalaxyl-M; Metamiron; Methacrifos; Methamidophos; Methidathion; Methiocarb; Methiocarb-sulfone; Methiocarb-sulfoxide; Methomyl; Methoxyfenozide; Metolachlor; Metosulam; Metrafenone; Metribuzin; Mevinphos; Molinate; Monocrotophos; Monolinuron; Myclobutanil; Nicosulfuron; Novalunuron; Ometoate; Oxadixyl; Oxamyl; Oxycarboxin; Paclobutrazol; Paraoxon-ethyl; Paraoxon-methyl; Penconazole; Pencycuron; Pendifmethalin; Permethrin; Phenmedipham; Phenthoate; Phorate; Phorate-sulfone; Phosalone; Phosmet; Phosphamidon; Pirimicarb; Pirimicarb-desmethyl; Pirimiphos-ethyl; Pirimiphos-methyl; Prochloraz; Profenofos; Profoxydim-lithium; Promecarb; Prometryn; Propaquizafop; Propargite; Propazine; Propiconazole; Propomacarb-hydrochloride; Propoxur; Propyzamide; Pymetrozine; Pyraclostrobin; Pyrazophos; Pyridaben; Pyridafol (CL 9673); Pyridaphenthion; Pyridate; Pyriproxyfen; Quizalofop-P-ethyl; Rimsulfuron; Sethoxydim; Simazine; Spinosyn A; Spinosyn D; Spirodiclofen; Spiromesifen; Spiroxamine; Tebuconazole; Tebufenozide; Teflubenzuron; Tepraloxymid; Terbumeton; Terbumeton-desethyl; Terbutylazine; Terbutryn; Tetraclorvinphos; Tetramethrin; Thiabendazole; Thiacloprid; Thiamethoxam; Thifensulfuron-methyl; Thiodicarb; Thiophanate-methyl; Tolyfluanid; Tralkoxydim; Triadimenol; Triadimenol; Triallate; Triasulfuron; Triazophos; Trichlorfon; Trifloxystrobin; Triflumizole; Triflumuron; Triticonazole; Tritosulfuron; Vamidothion; Zoxamide	EN 15662
Food and Food Contact Surface Swaps	Hepatitis A Determination  Real Time PCR Method  Pretreatment: RNA isolation	ISO 15216-2, Kit Method (Bosphore Hepatitis A Detection Kit v.2), Bosphore Viral DNA Extraction Spin Kit Procedure
Soft Fruits (Small edible seedless fruits) and Salad Vegetables (edible vegetables with leaves, onions)	Hepatitis A Determination  Real Time PCR Method  Pretreatment: RNA isolation	ISO 15216-2, Kit Method (Bosphore Hepatitis A Detection Kit v.2), Bosphore Viral DNA Extraction Spin Kit Procedure
Bivalve Molluscs, shellfish	Hepatitis A Determination  Real Time PCR Method  Pretreatment: RNA isolation	ISO 15216-2, Kit Method (Bosphore Hepatitis A Detection Kit v.2), Bosphore Viral DNA Extraction Spin Kit Procedure
Food and Food Contact Surface Swaps	Norovirus Determination (GI-GII)  Real Time PCR Method  Pretreatment: RNA isolation	ISO 15216-2, Kit Method (Bosphore Norovirus GI-GII Detection Kit v.2), Bosphore Viral DNA Extraction Spin Kit Procedure
Soft Fruits (Small edible seedless fruits) and Salad Vegetables (edible vegetables with leaves, onions)	Norovirus Determination (GI-GII)  Real Time PCR Method  Pretreatment: RNA isolation	ISO 15216-2, Kit Method (Bosphore Norovirus GI-GII Detection Kit v.2), Bosphore Viral DNA Extraction Spin Kit Procedure



## Accreditation Scope

 <b>TÜRKAK</b>  <small>Test</small> <small>TS EN ISO/IEC 17025</small> <small>AB-0555-T</small>	<b>Ulusal Gıda Referans Laboratuvar Müdürlüğü</b>  Accreditation Nr: AB-0555-T Revision Nr: 09 Date: 16.10.2023	
	<b>Testing Laboratory</b>	
	<b>Address :</b> GAYRET MAH. FATİH SULTAN MEHMET BLV. NO:70 YENİMAHALLE Ankara / Türkiye	<b>Phone :</b> +90 312 327 4181 <b>Fax :</b> +90 312 327 4156 <b>Email :</b> ugri@tarimorman.gov.tr <b>Website :</b> https://gidalab.tarimorman.gov.tr/gidareferans
Bivalve Molluscs, shellfish	Norovirus Determination (GI-GII) Real Time PCR Method Pretreatment: RNA isolation	ISO 15216-2, Kit Method (Bosphore Norovirus GI-GII Detection Kit v.2), Bosphore Viral DNA Extraction Spin Kit Procedure
Food, Feed and Seed	Soybean SYHT0H2 Identification and Quantity Analysis Real Time PCR Method Pre-Process: DNA Extraction	EURL Method (QT-EVE-GM-017), ISO 21570, ISO 24276 Kit Method (Eurofins Genespin DNA Izolasyon Kit Manual), ISO 21571
Food, Feed and Seed	Soybean GMB151 Identification and Quantity Analysis Real Time PCR Method Pre-Process: DNA Extraction	EURL Method (QT-EVE-GM-013), ISO 21570, ISO 24276 Kit Method (Eurofins Genespin DNA Isolation Kit Manual), ISO 21571
Food, Feed and Seed	Maize MZIR098 Identification and Quantity Analysis Real Time PCR Method Pre-Process: DNA Extraction	EURL Method (QT-EVE-ZM-028), ISO 21570, ISO 24276 Kit Method (Eurofins Genespin DNA Isolation Kit Manual), ISO 21571
Food, Feed and Seed	Oilseed rape DP073496 Identification and Quantity Analysis Real Time PCR Method Pre-Process: DNA Extraction	EURL Method (QT-EVE-BN-009), ISO 21570, ISO 24276 Kit Method (Eurofins Genespin DNA Isolation Kit Manual), ISO 21571
Food, Feed and Seed	Cotton GHB811 Identification and Quantity Analysis Real Time PCR Method Pre-Process: DNA Extraction	EURL Method (QT-EVE-GH-013), ISO 21570, ISO 24276 Kit Method (Eurofins Genespin DNA Isolation Kit Manual), ISO 21571
Feed ("High starch and/or protein content and low water and fat content")	Detection and Quantification Analysis of Some Selected Pesticides GC-MS-MS Method (23 Compounds) - Aldrin; Chlordane - Cis (Alpha); Chlordane, trans - (Gamma); DDD, o,p'; DDD, p,p'; DDE, o,p'; DDE, p,p'; DDT, o,p'; DDT, p,p'; Dieldrin; Endosulfan alfa; Endosulfan beta; Endosulfan sulphate; Endrin; Endrin keton; HCH, alpha-; HCH, beta-; HCH, gamma-; Heptachlor; Heptachlor endoepoxide (trans-, isomer A); Heptachlor exoepoxide (cis-, isomer B); Hexachlorobenzene; Oxychlordane	EN 15662

This document has been signed by Gül den Banu Müderrisoğlu on {1} with a secure electronic signature in accordance with the electronic signature law numbered 5070. Use the QR code to verify the e-signed document.

