



TURKISH ACCREDITATION AGENCY

ACCREDITATION CERTIFICATE

As a Testing Laboratory

GIDA VE YEM KONTROLMERKEZ ARAŐTIRMA ENSTİTÜSÜ MÜDÜRLÜĐÜ

Central Address: ADALET MAH. 1.HÜRRİYET CAD. NO:128 /1 OSMANGAZİ Bursa / 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-0030-T

Accreditation Date : 30.11.2004

Revision Date / Number : 21.03.2023 / 23

This certificate shall remain in force until **18.07.2025**, subject to continuing compliance with the standard **TS EN ISO/IEC 17025:2017**, related regulations and requirements.

Gülden Banu Müderrisođlu
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 Müderrisođlu 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-0030-T</p>	GIDA VE YEM KONTROLMERKEZ ARAŞTIRMA ENSTİTÜSÜ MÜDÜRLÜĞÜ	
	Accreditation Nr: AB-0030-T Revision Nr: 23 Date: 21.03.2023	
Testing Laboratory		
Address : ADALET MAH. 1.HÜRRİYET CAD. NO:128 /1 OSMANGAZI Bursa / Türkiye	Phone : +90 224 246 4721 Fax : - Email : vesile.cetin@tarimorman.gov.tr Website : https://arastirma.tarimorman.gov.tr/bursagida	

Food and Feed Products


Tested Materials / Products	Name of Test	Testing Method (National, International Standards, In-house Methods)
Foods with High Water Content, and Foods with High Acid and High Water Content	Detection and Quantification Analysis of Selected Pesticides LC-MS/MS Method [Number of Selected Pesticides Analyzed is 290 - 2,4-D; Abamectin; Acephate; Acetamiprid; Acrinathrin; Aldicarb; Aldicarb-sulfone; Aldicarb-sulfoxide; Ametoctradin; Amidosulfuron; Amitraz; Anilofos; Atrazine; Azimsulfuron; Azinphos methyl; Aziprotryne; Azoxystrobin; Benalaxyl; Bendiocarb; Benfuracarb; Benomyl; Bensulfuron-methyl; Bentazone; Bifentanol; Boscalid; Bromacil; Bromoxynil; Bromuconazole; Bupirimate; Buprofezin; Butylate; Cadusafos; Carbaryl; Carbendazim; Carbofuran; Carbosulfan; Carboxin; Carfentrazone-ethyl; Chlorantraniliprole; Chlorbromuron; Chlorfenvinphos; Chlorfluzuron; Chloridazon; Chloroxuron; Chlorpyrifos; Chlorsulfuron; Clethodim; Clodinafop-propargyl ester; Clofentezine; Clomazone; Clothianidin; Coumaphos; Cyanazine; Cyacilide; Cycloate; Cymoxanil; Cyproconazole; Cyprodinil; Deltamethrin (cis-deltamethrin); Demeton S methyl sulfone; Demeton S methyl; Desmedipham; Diafenthiuron; Diazinon; Dichlorprop; Dichlorvos; Dicrotophos; Diethofencarb; Difenconazole; Diflubenzuron; Dimefox; Dimethachlor; Dimethenamid; Dimethoate; Dimethomorph; Diniconazole; Dinocap; Dinoseb; Dioxacarb; Dioxathion; Diphenamid; Diphenylamine; Disulfoton; Ditalimfos; Diuron; DNOC; Emamectin; Epoxiconazole; EPTC; Ethidimuron; Ethiofencarb; Ethion; Ethirimol; Ethofumesate; Ethoprophos; Etofenprox; Etozazole; Etrifimos; Famoxadone; Fenamidone; Fenamiphos sulfone; Fenamiphos; Fenazaquin; Fenbuconazole; Fenhexamid; Fenobucarb; Fenoxaprop-P-ethyl; Fenoxycarb; Fenpropathrin; Fenpropidine; Fenpropimorph; Fenpyroximate; Fensulfothion; Fenthion sulfoxide; Fenthion; Fipronil; Florasulam; Fluzifop- P-butyl; Fluziazinam; Fludioxonil; Flufenoxuron; Fluopicolide; Fluopyram; Fluquinconazole; Flurochloridone; Flusilazole; Flutolanil; Flutriafol; Fonofos; Foramsulfuron; Formetanate; Fosthiazate; Fuberidazole; Furalaxyl; Furathiocarb; Haloxifop-2-etoxy ethyl; Haloxifop-R-methyl; Heptenophos; Hexaconazole; Hexaflumuron; Hexythiazox; Imazalil; Imazamox; Imazapyr; Imazethapyr; Imidacloprid; Indoxacarb; Iodosulfuron-methyl-sodium; loxynil; Iprodione; Iprovalicarb; Isazofos; Isofenphos; Isofenphos-methyl; Isoproturon; Isoxaflutole; Kresoxim-methyl; Lenacil; Linuron; Lufenuron; Malathion; Mandipropamid; Mecarbam; Mecoprop; Mefenpyr-diethyl; Mepanipyrim; Mepronil; Mesosulfuronmethyl; Mesotrione; Metaflumizone; Metalaxyl; Metamitron; Metazachlor; Metconazole; Methamidophos; Methidathion; Methiocarb; Methiocarb Sulfone; Methomyl; Methoxyfenozide; Metobromuron; Metolachlor; Metoxuron; Metrafenone; Metribuzin; Metsulfuron-methyl; Mevinphos; Monocrotophos; Monolinuron; Myclobutanil; Napropamide; Nicosulfuron; Novaluron; Nuarimol; Ofurace; Oxadiazon; Oxadixyl; Oxamyl; Oxycarboxin; Paclobutrazol; Paraoxon ethyl; Paraoxon methyl; Penconazole; Pencycuron; Pendimethalin; Pentachlor; Phenmedipham; Phenthoate; Phosalone; Phosmet; Phosphamidon; Phoxim; Pirimicarb desmethyl; Pirimicarb; Pirimiphos ethyl; Pirimiphos methyl; Primsulfuron-methyl; Prochloraz; Profenofos; Profoxydim-lithium; Promecarb; Prometryn; Propachlor; Propamocarb; Propaquizafop; Propargite; Propazine; Propiconazole; Propoxur; Propoxycarbazone sodium; Propyzamide; Proquinazid; Prosulfocarb; Prosulfuron; Prothioconazole; Pymetrozine; Pyraclostrobin; Pyraflufen-ethyl; Pyrazophos; Pyridaben; Pyridafol; Pyridalyl; Pyridaphention; Pyridate; Pyrifenoxy; Pyrimethanil; Pyriproxyfen; Quinalphos; Quinoxifen; Quisalofop-P-ethyl; Rabenzazole; Rimsulfuron; Sethoxydim; Simazine; Spinosad; Spirodiclofen; Spirothiamine; Sulfosulfuron; Sulfotep; Tebuconazole; Tebufenozide; Tebufenpyrad; Teflubenzuron; Tefluroxydim; Terbufos; Terbutylazine; Tetrachlorvinphos; Tetraconazole; Thiabendazole; Thiachlorid; Thiamethoxam; Thifensulfuron-methyl; Thiodicarb; Thiophanate-methyl; Tralkoxydim; Triadimefon; Triadimenol; Triasulfuron; Triazophos; Tribenuron-methyl; Trichlorfon; Trifloxystrobin; Triflumizole; Trifluriduron; Triticonazole; Vamidothion; Vernolate; Zoxamide]	AOAC 2007.01
Eggs	Detection and Quantification Analysis of Selected Pesticides LC-MS/MS Method [Number of Selected Pesticides Analyzed is 59- Acetamiprid; Azoxystrobin; Benalaxyl; Bendiocarb; Bupirimate; Carbendazim; Carbofuran; Carboxin; Clothianidin; Desmedipham; Diethofencarb; Dimethanamide; Dimethomorph; Dioxacarb; Dioxathion; Ethidimuron; Ethiofencarb; Etozazole; Fenamidone; Fenobucarb; Fensulfothion; Fipronil; Fipronil sulfone; Florasulam; Fluzifop-p-butyl; Flufenoxuron; Fluopicolide; Foramsulfuron; Furalaxyl; Imidacloprid; Isofenphos; Isoproturon; Metaflumizone; Metalaxyl; Metazachlor; Metconazole; Methomyl; Metobromuron; Oxamyl; Oxycarboxin; Paclobutrazol; Pencycuron; Phosmet; Phoxim; Pirimicarb; Promecarb; Propargite; Propazine; Prosulfuron; Pymetrozine; Pyrifenoxy; Pyriproxyfen; Terbufos; Terbutylazine; Thiabendazole; Thiachlorid; Thiamethoxam; Triflumizole; Vamidothion]	AOAC 2007.01
Fruits and vegetables with High Water and High Acid Content	Detection and Quantification Analysis of Selected Pesticides GC-MS/MS Method Number of Selected Pesticides Analyzed is 182- 2-Phenylphenol (Ortho phenylphenol); 2,4-DDD; 2,4-DDE; 2,4-DDT; 4,4-DDD; 4,4-DDE; 4,4-DDT; Acephate; Acetochlor; Acibenzolar-S-methyl; Aclofenfen; Alachlor; Aldrin; Alpha-Endosulfan; Alpha-HCH; Anilofos; Azinphos-ethyl; Azinphos-methyl; Benfluralin; Beta-Endosulfan; Beta-HCH; Bifenazate; Bifenthrin; Bioresmethrin; Biphenyl; Bromophos-ethyl; Bromophos-methyl; Bromopropylate; Bromuconazole; Cadusafos; Captan; cis- Chlordane; trans-Chlordane; Chlorfenapyr; Chlorfensone; Chlorfenvinphos; Chloroneb; Chlorothalonil; Chlorpropham; Chlorpyrifos-ethyl; Chlorpyrifos- methyl; Chlorthal-dimethyl; Chlorzolinate; Coumaphos; Cyanazine; Cyfluthrin; Cyhalofop-butyl; Cypermethrin; Dazomet; Delta-HCH; Deltamethrin; Demeton-S-methyl; Demeton-S-methyl sulfone; Desmetryn; Dialifos; Diazinon; Dichlofluanid; Dichlorvos; Dicrofopmethyl; Dieldrin; Dicofof; Dicrotophos; Dieltrin; Dimethachlor; Dimethipin; Dimethoate; Dinobuton; Disulfoton; Ditalimfos; DMST; Endosulfan sulfate; Endrin; EPN; Esfenvalerate; Ethalfuralin; Ethion; Ethoprophos; Etridiazole; Etrifimos; Fenamiphos; Fenamiphos sulfone; Fenarimol; Fenchlorphos; Fenhexamid; Fenitrothion; Fenspidonil; Fenpropathrin; Fenson; Fenthion; Fenthion sulfone; Fenthion sulfoxide; Fenvalerate; Fipronil; Flucythrinate; Flutrimazole; Folpet; Fonofos; Formothion; Fosthiazate; Fuberidazole; Gamma-HCH; Heptachlor; Heptachlor-endo-epoxide; Heptachlor-exo-epoxide; Heptenophos; Hexachlorobenzene; Hexaconazole; Imazalil; Iodofenphos; Iprodione; Isazofos; Isodrin; Lambda-Cyhalothrin; Leptophos; Linuron; Malaoxon; Malathion; Mecarbam; Methoxyfolan; Merphos; Methacryfos; Methamidophos; Methidathion; Methoxychlor; Metrafenone; Mevinphos; Molinate; Monocrotophos; Myclobutanil; Naled; Nitrofen; Omethoate; Oxylfluorfen; Paraoxon ethyl; Paraoxon methyl; Parathion-ethyl; Parathion-methyl; Pebulate; Pendimethalin; Permethrin; Phenthoate; Phorate; Phosalone; Phosphamidon; Pirimiphos-ethyl; Pirimiphos-methyl; Procymidone; Propanil; Propyzamide; Prosulfurocarb; Prothiofos; Pyrazophos; Pyridaben; Pyridaphention; Quinalphos; Quinomethionate; Quintozene; Spiromesifen; Sulfotep; Sulprofos; Tau-Fluvalinate; Tecnazene; Tefluthrin; Terbacil; Terbufos; Terbufos-sulfone; Terbutryn; Tetrachlorvinphos; Tetraconazole; Tetradifon; Tetrasul; Thiobencarb; Thiometon; Tolofofos-methyl; Tolyfluanid; Triadimefon; Triadimenol; Tri-allyl; Triazophos; Trifloxystrobin; Trifluralin; Vinclozolin]	AOAC 2007.01

 <p>TÜRKAK</p> <p>Test TS EN ISO/IEC 17025 AB-0030-T</p>	GIDA VE YEM KONTROLMERKEZ ARAŞTIRMA ENSTİTÜSÜ MÜDÜRLÜĞÜ	
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Foods with High Sugar and Low Water Content	Detection and Quantification Analysis of Selected Pesticides	AOAC 2007.01
	LC-MS/MS Method [Number of Selected Pesticides Analyzed is 70- Acetamidiprid; Azoxystrobin; Benalaxyl; Bendiocarb; Buprimate; Carbaryl; Carbendazim; Carbofuran; Carboxin; Clothianidin; Desmedipham; Diethofencarb; Dimethanamide; Dioxacarb; Dioxathion; Ethidimuron; Ethiofencarb; Etoazole; Fenamidone; Fenazaquin; Fenobucarb; Fenpropimorph; Fenproximate; Fensulfothion; Florasulam; Fluazifop-p-butyl; Flufenoxuron; Flupicolide; Fluquinconazole; Flusilazole; Furalaxyl; Isafenphos; Imidacloprid; Lenacil; Mepromil; Metaflumizone; Metalaxyl; Metazachlor; Metconazole; Methiocarb sulfon; Methoxyfenozide; Metobromuron; Metolachlor; Napropamide; Ofurace; Oxamyl; Oxycarboxin; Paclobutrazol; Pencycuron; Phenmedipham; Phoxim; Pirimicarb; Prochloraz; Promecarb; Propargite; Propazine; Propoxur; Pymetrozine; Pyrifenoxy; Pyriproxyfen; Rabenzazole; Spiroxamine; Terbumeton; Thiabendazole; Thiacloprid; Thiamethoxam; Traikoxydim; Tribenuron-methyl; Triflumizole; Vamidothion	
Food	Determination of Caffeine	JAOAC Vol.76 No:2
	HPLC-UV/DAD Method	
Food	Determination of Acesulfame K, Saccharin, Aspartame	JAOAC Vol.76 No:2
	HPLC-UV/DAD Method	
Food	Determination of Benzoic Acid and Sorbic Acid	NMKL 124
	HPLC-UV/DAD Method	
Food	Analysis of Multiple Mycotoxin Aflatoxin (B ₁ ;B ₂ ;G ₁ ;G ₂ , Ochratoxin A)	In-house Method- "KMB-TL-10", Rev:00" (Modified from ANT Teknik Application Note, Multitoxin Analysis in Foods by LC-MS/MS and M016/2015 Application Notes)
	LC-MS/MS Method	
Fruit-Vegetables and Products	Analysis of Nitrate	In-house Method- "KMB-TL-20 Rev. No:00" (Modified from TS EN 12014-2)
	HPLC-UV/DAD Method	
Hard Shell Dried Fruits and Products	Determination of Aflatoxin B ₁ and Total Aflatoxin (B ₁ +B ₂ +G ₁ +G ₂)	AOAC 991.31
	HPLC-FLD Method	
Sugary Products	Determination of HMF	JAOAC Vol.76 No 2
	HPLC-UV/DAD Method	
Milk; Milk powder	Determination of Aflatoxin M ₁	In-house Method- "KMB-TL-25 Rev. No:00" (Modified from R-Biopharm Application Note; Ref No: A11-RP 71/70N.V3)
	HPLC-FLD Method	
Dried Fruits	Determination of Ochratoxin A	In-house Method- "KMB-TL-22 Rev. No:00" (Modified from R-Biopharm Application Note Ref No: A8 -P14.V6)
	HPLC-FLD Method	
Cereals; Grain Containing Food and Feed	Determination of Deoxynivalenol (DON)	In-house Method- "KMB-TL-26 Rev. No:00" (Modified from R-Biopharm Application Note; Ref No: RP50/V8/26.10.10)
	HPLC-UV/DAD Method	
Cereals; Grain Containing Food and Feed	Determination of Zearelonone (ZON)	In-house Method- "KMB-TL-27 Rev. No:00" (Modified from R-Biopharm Application Note; Ref No: RP91/V12/26.10.10)
	HPLC-FLD Method	
Coffee	Determination of Ochratoxin A	In-house Method- "KMB-TL-28 Rev. No:00" (R-Biopharm Okraprep Application Note; Ref No: A1-P14.V9)
	HPLC-FLD Method	


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Feed	Determination of Aflatoxin B1 and Total Aflatoxin (B1+B2+G1+G2) HPLC-FLD Method	In-house Method- "KMB-TL-07 Rev. No:00" (Modified from R-Biopharm Application Note; Ref No: A13-P07.V6)
Spices	Determination of Aflatoxin B1 and Total Aflatoxin (B1+B2+G1+G2) HPLC-FLD Method	In-house Method-"KMB-TL-08 Rev. No:00" (Modified from R-Biopharm Application Note A17-P07.V6)
Cereals	Determination of Aflatoxin B1 and Total Aflatoxin (B1+B2+G1+G2) HPLC-FLD Method	In-house Method- "KMB-TL-06 Rev. No:00" (Modified from R-Biopharm Application Note; Ref No: RP71-A1.V4)
Fruit juice	Determination of Patulin HPLC-UV/DAD Method	In-house Method-" KMB-TL-29 Rev. No:00" (Modified from R-Biopharm Application Note; Ref No: P250/P250B)
Food and Feed (Cereal and Grain-based Food and Feed)	Analysis of Multiple Mycotoxin [Aflatoxin B1; B2; G1; G2; Ochratoxin A; Zearalenone; Deoxynivalenol; T-2 Toxin; HT-2 Toxin; Fumonisin (FB1 +FB2)] LC-MS/MS Method	In-house Method-"KMB-TL-04 Rev. No:00" (Modified from ANT Teknik Application Note, Multitoxin Analysis in Foods by LC-MS/MS and M016/2015 Application Notes)
Dried Fig and Fig Products	Determination of Aflatoxin B1 and Total Aflatoxin (B1+B2+G1+G2) HPLC-FLD Method	TS EN 14123
Food	Analysis of Aluminum (Al), Arsenic (As), Copper (Cu), Mercury (Hg), Zinc (Zn), Iron (Fe), Cadmium (Cd), Tin (Sn), Calcium (Ca), Lead (Pb), Magnesium (Mg), Potassium (K), Sodium (Na) ICP-MS Method	NMKL 186
Plastic Substances and Materials in Contact with Food	Overall Migration Analysis- Test Method for Substitute Tests (95% Ethanol and Isooctane)	TS EN 1186-14
Plastic Substances and Materials in Contact with Food	Overall Migration Analysis- Test Method for Substitute Tests (95% Ethanol and Isooctane)	TS EN 1186-14
Plastic Substances and Materials in Contact with Food	Overall Migration Analysis - Article Filling (Aqueous Food Simulants - Aqueous, Acidic, Alcoholic)	TS EN 1186-9
Plastic Substances and Materials in Contact with Food	Overall Migration Analysis – Total Immersion (Aqueous Food Simulants - Aqueous, Acidic, Alcoholic)	TS EN 1186-3
Plastic materials and materials in contact with food	Structure Analysis FT-IR (Fourier Transform Infrared Spectroscopy) Method	In-house Method-"ALB-TL-06 Rev. No:00" Modified from: (-BIO-RAD Sadtler Spectral Databases Library Polymers Vol.2 -Perkin Elmer FTIR Spectrum Two Handbook. - Anonymous, 1999. Polymer Data Handbook, Modified from Oxford University Press)


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Plastic materials and materials in contact with food	Phthalates Analysis [Number of Parameters - 8] (BBP/ Butylbenzylphthalate, DBP/ Dibutylphthalate, DEHP/ Di-(2-ethylhexyl) phthalate, DIDP/ Di-isodecylphthalate, DINP/ Di-iso-nonylphthalate DNOP/ Di-n-octyl phthalate DIBP/ Diisobutyl phthalate DEP/ Diethyl phthalate) GC-MS Method	In-house Method-"ALB-TL-19 Rev. No:01" Modified from: (-EN 13130-1 -EUR 24387 EN 2010 -EUR 23972 EN 2009 -EUR 24105 EN-1st edition 2009 -EN 14372:2004)
Food (not applicable to dried onions, leeks, and cabbage)	Determination of Sulfur dioxide (SO ₂) Titrimetric method	AOAC 962.16
Honey	Analysis of Glucose, Fructose, Ratio of Fructose/Glucose, Total of Fructose+Glucose HPLC-RID Method	AOAC 979.23
Honey	Determination of Sucrose and Mlatose HPLC- RID Method	AOAC 977.20
Honey	Determination of Diastase Activity Spectrophotometric Method	IHC Phadebas Diastase Determination Method
Honey	Electrical Conductivity	TS 13366
Honey	Free acidity	TS 13360
Honey	Water Content and Refractive Index	TS 13365
Fruit-Vegetables and Products	Determination of Brix (Solids Soluble in Water) Refractometric Method	AOAC 932.14 TS ISO 2173
Tomato paste	Determination of Color	TS 1466
Vegetable Product (Excluding Spices)	Determination of Moisture	TS EN ISO 712 TS 1129 ISO 1026 TS 1562 TS 3076-1 TS 3190 TS ISO 24557 TS EN ISO 665 TS 1252 EN ISO 1666 "Regulation on Sugar Analysis Methods for Sugars Intended for Human Consumption" Official Gazette No: 10.04.2002-24722
Vegetable Product (Excluding Spices)	Determination of Ash	TS EN ISO 2171
Vegetable Product	Determination of Starch Polarimetric Method	TS EN ISO 10520
Vegetable Product	Determination of titratable acidity	TS 1125 ISO 750
Vegetable Product	Determination of pH Potentiometric method	TS 1728 ISO 1842

Accreditation Scope

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Vegetable Product	Determination of Salt Potentiometric method	AOAC 971.27 TS 774
Vegetable Product	Determination of Crude Protein Combustion Method (The principle of Dumas)	AOAC 990.03
Vegetable Product	Determination of Total Fat	TS EN ISO 659 TS 2664
Vegetable Product	Carbohydrate Calculation Method	TS EN ISO 10520 AOAC 968.28
Vegetable Product	Determination of Total Sugar; Invert Sugar; Sucrose Lane-Eynon Method	In-house Method-"BÜB-TL-42 Rev. No 05, BÜB-TL-43 Rev. No 04, BÜB-TL-44 Rev. No 02", (Modified from AOAC 968.28 ve TS 1466)
Fruit and vegetable products and sugary products	Determination of Sugar Composition (Fructose, Glucose, Sucrose, Maltose) Ratio of Fructose/Glucose, Total of Fructose+Glucose HPLC-RID Method	AOAC 977.20 AOAC 980.13
Vegetable oils	Determination of Fatty Acid Composition (Arachidic acid (C20:0); Behenic acid (C22:0); Heptadecenoic acid (cis-10) (C17:1); Gadoleic acid (C20:1); Erucic acid (C22:1); Margaric acid (C17:0); Lauric asit (C12:0); Lignoceric acid (C24:0); Linoleic acid (C18:2); Linolenic acid (C18:3); Myristic acid (C14:0); Oleic acid (C18:1); Palmitic acid (C16:0); Palmitoleic acid (C16:1); Stearic acid (C18:0)) GC-FID Method	Com. Regulation (EC) No 796
Vegetable oils	Determination of Peroxide Value	TS EN ISO 3960
Vegetable Oils	Determination of Refractive Index	TS EN ISO 6320
Vegetable oils	Determination of Free Fatty Acidity	TS 894 TS EN ISO 660
Extra Virgin Olive Oil	Sensory Analysis	Turkish Food Ccodex 2014/53
Cheese	Determination of Total Dry Matter	TS EN ISO 5534
Cheese	Determination of Salt Content Mohr Method	In-house Method-"HÜB-TL-159/01 Rev. No 05", (Modified from Food Inspection Analysis Methods, 1988)
Cheese	Determination of Fat Content Van Gulik Method	TS ISO 3433
Cheese	Determination of Acidity	TS 591
Yogurt	Determination of Fat	TS 1330
Yogurt	Determination of Dry Matter	TS 1330
Milk, Ayran, Cream and Condensed Milk	Determination of Dry Matter	TS 1018

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Raw milk	Determination of Phosphatase Activity Lactognost Assay Method;	In House Method-"HÜB-TL-90/01 Rev. No:02" (Modified from Lactognost Test Kit Application Note, Heyl)
Milk and dairy products	Determination of Lactose Lane-Eynon Method	In House Method-"HÜB-TL-105/01 Rev. No:02" (Modified from Food Inspection Analysis Methods, 1988)
Milk and ayran	Determination of Acidity	TS 1018
Milk and ayran	Determination of Fat	FAQ Quality Control 8:1986
Butter	Determination of Salt Content Mohr Method	In House Method-"HÜB-TL-159/01 Rev. No:05", (Modified from Food Inspection Analysis Methods, 1988)
Milk and dairy products	Determination of Protein	AOAC 991.20
Seafood	Determination of Histamine HPLC-UV/DAD method	NMKL 196
Feed and Feed Additives	Analysis of Selected Veterinary Drug Residues- LC-MS/MS Method <u>Amphenicols-3</u> Chloramphenicol; Florfenicol; Thiamphenicol <u>Anticoccidials -12</u> _Amprolium; Diclazuril; Halofuginone; Lasalocid; Maduramicin; Monensin; Narasin; Nicarbazin; Robenidine; Salinomycin; Toltrazuril, Decoquinat <u>Diaminopyrimidines -1</u> Trimethoprim <u>Quinolones -6</u> Ciprofloxacin; Danofloxacin; Difloxacin; Enrofloxacin; Flumequin; Sarafloxacin <u>Lincosamides -1</u> Lincomycin <u>Macrolides-5</u> Erythromycin; Spiramycin; Tilmicosin Tylosin; Tyvalosin <u>Nitrofurans-2</u> Furaltadone; Furazolidone <u>Penicillins-6</u> Amoxicillin; Ampicillin; Dicloxacillin; Nafcillin; Oxacillin; Penicillin G <u>Pleuromutilins-1</u> Tiamulin <u>Quinoxalines-2</u> Carbadox; Olaquinox <u>Streptogramins-1</u> Virginamycin <u>Sulfanamides-10</u> Sulfachloropyridazine; Sulfadiazine; Sulfadimethoxine; Sulfadoxine; Sulfamerazine; Sulfamethazine; Sulfamethoxazole; Sulfapyridine; Sulfaquinoxaline; Sulfathiazole <u>Tetracyclines -4</u> Chlortetracycline; Doxycycline; Oxytetracycline; Tetracycline	In house Method "VKB-TL-01 Rev. No:00" (Modified from: Analytica Chimica Acta 700 (2011) 26-33 and AOAC 997.04)

 <p>Test TS EN ISO/IEC 17025 AB-0030-T</p>	GIDA VE YEM KONTROLMERKEZ ARAŞTIRMA ENSTİTÜSÜ MÜDÜRLÜĞÜ	
	Accreditation Nr: AB-0030-T Revision Nr: 23 Date: 21.03.2023	
Testing Laboratory		
Address : ADALET MAH. 1.HÜRRİYET CAD. NO:128 /1 OSMANGAZI Bursa / Türkiye	Phone : +90 224 246 4721 Fax : - Email : vesile.cetin@tarimorman.gov.tr Website : https://arastirma.tarimorman.gov.tr/bursagida	

Milk	Analysis of Selected Veterinary Drug Residues- LC-MS/MS Method <u>Amphenicols -3</u> Chloramphenicol; Florfenicol; Thiamphenicol <u>Anthemintics -3</u> Levamisol; Thiabendazole 5 Hydroxy; Thiabendazole <u>Quinolones -9</u> Ciprofloxacin; Danofloxacin; Difloxacin; Enrofloxacin; Flumequin; Marbofloxacin; Nalidixic Acid; Oxolinic Acid; Sarafloxacin <u>Macrolides -5</u> Spiramycin; Tilmicosin; Neospiramycin; Tylosin; Erytromycin <u>Nitrofurans -4</u> Nitrofurantoin (AHD); Furaldaton (AMOZ); Furazolidon (AOZ); Nitrofurazon (SEM) <u>Nitroimidazoles -7</u> Dimetridazole; Iprnidazole Hydroxy; Iprnidazole; Metronidazole; Ronidazole; HMMNI; Metronidazole Hydroxy; <u>Sulfanamides -10</u> Sulfachloropyridazine; Sulfadiazine; Sulfadimethoxine; Sulfadoxine; Sulfamerazine; Sulfamethazine; Sulfamethoxazole; Sulfapyridine; Sulfaquinoxaline; Sulfathiazole <u>Tetracyclines -7</u> Chlortetracycline; Doxycycline; Oxytetracycline; Tetracycline; 4-epi-Tetracycline; 4-epi-Oxytetracycline; 4-epi-Chlortetracycline <u>Linkozamid -1</u> Lincomycin <u>Penicillin 4</u> Dicloxacillin; Ampicillin; Cloxacillin; Oxacillin <u>Beta-lactam -1</u> Cefquinome (CFQ)	In house Method "VKB-TL-02 Rev.No:01" (Modified from: Journal of Chromatography B 864; 156-160; 2008, AOAC 997.04 and Journal Pharmaceutical and Biomedical Analysis 64-65; 40-48; 2012)
Drinking Water for animals	Analysis of Selected Veterinary Drug Residues- LC-MS/MS Method <u>Amphenicols -3</u> Chloramphenicol; Florfenicol; Thiamphenicol <u>Anticocccidials -11</u> Amprolium; Diclazuril; Halofuginone; Lasalocid; Maduramicin; Monensin; Narasin; Nicarbazin; Robenidine; Salinomycin; Toltrazuril. <u>Diaminopyrimidines -1</u> Trimethoprim <u>Quinolones -6</u> Ciprofloxacin; Danofloxacin; Difloxacin; Enrofloxacin; Flumequin; Sarafloxacin <u>Lincosamides -1</u> Lincomycin <u>Macrolides - 5</u> Erythromycin; Spiramycin; Tilmicosin; Tylosin; Tylvalosin <u>Nitrofurans -3</u> Furaldaton; Furazolidone; Nitrofurantoin <u>Penicillins -3</u> Amoxicillin; Dicloxacillin; Penicillin G <u>Pleuromutilins -1</u> Tiamulin <u>Quinoxalines -2</u> Carbadox; Olaquinox <u>Streptogramins -1</u> Virginamycin <u>Sulfanamides -10</u> Sulfachloropyridazine; Sulfadiazine; Sulfadimethoxine; Sulfadoxine; Sulfamerazine; Sulfamethazine; Sulfamethoxazole; Sulfapyridine; Sulfaquinoxaline; Sulfathiazole <u>Tetracyclines -4</u> Chlortetracycline; Doxycycline; Oxytetracycline; Tetracycline	In House Method "VKB-TL-03 Rev. No:00" (Modified from: Analytica Chimica Acta 700 (2011) 26-33and AOAC 997.04 modified)

 <p>TÜRKAK</p> <p>Test TS EN ISO/IEC 17025 AB-0030-T</p>	GIDA VE YEM KONTROLMERKEZ ARAŞTIRMA ENSTİTÜSÜ MÜDÜRLÜĞÜ	
	Accreditation Nr: AB-0030-T Revision Nr: 23 Date: 21.03.2023	
Testing Laboratory		
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Meat	Analysis of Selected Veterinary Drug Residues- LC-MS/MS Method <u>Amphenicols -2</u> Chloramphenicol; Florfenicol <u>Anthelmintics -5</u> Doramectin; Levamisole; Moxidectine; Thiabendazole-5-hydroxy; Thiabendazole <u>Anticoccidials -6</u> Lasolacid; Maduramicine; Monensin; Narasin; Nicarbazine; Salinomycin <u>Quinolones -9</u> Ciprofloxacin; Danofloxacin; Difloxacin; Enrofloxacin; Flumequine; Marbofloxacin; Nalidixic Acid; Oxolinic Acid; Sarafloxacin <u>Macrolides -2</u> Spiramycin; Tilmicosin <u>Nitroimidazoles -6</u> Dimetridazole; Iprnidazole-hydroxy; Iprnidazole; Metronidazole; Metronidazole Hydroxy; Ronidazole <u>NSAIDs -2</u> Diclofenac; Meloxicam; <u>Penicillins -7</u> Amoxicillin; Ampicillin; Cephapirin; Diclloxacin; Penicilline G; Nafcillin, Oxacillin Sulfanamides -10 Sulfachloropyridazine; Sulfadiazine; Sulfadimethoxine; Sulfadoxine; Sulfamerazine; Sulfamethazine; Sulfamethoxazole; Sulfaquinoxaline; Sulfapyridine; Sulfathiazole <u>Tetracyclines -4 Adet</u> Chlortetracycline; Doxycycline; Oxytetracycline; TetracyclineChlortetracycline; Doxycycline; Oxytetracycline; Tetracycline	In House Method "VKB-TL-04 Rev. No:00" (Modified from: Multi-residue quantitation of veterinary drugs in animal tissue using optimized solid phase extraction protocol; 8th Workshop on Environmental Applications and Food Safety, Barcelona, Spain; 2-4 July 2012.and Agilent Bond Elut QuEChERS EN Kits by LC/MS/MS; 2012)
Meat	Analysis of Selected Veterinary Drug Residues- LC-MS/MS Method <u>A1-Stilbens -3</u> Dienestrol; Diethylstilbestrol; Hexestrol <u>A3-Steroids -3</u> 17-alpha-Methyltestosterone; Melengestrol acetate; Trenbolone <u>A4-Resorsilic acid lactones-6</u> Zearalanone; Zearalene; Zeranol (Alfa Zearalanol); α-Zearalenol; β-Zearalanol (Taleranol); β-Zearalenol <u>A5-Betaagonists-4</u> Cimbuterol; Clenbuterol; Mapenterol; Salbutamol	In House Method "VKB-TL-05 Rev. No:01" (Modified from: Journal of Chromatography B; 2013; 940; 15-23 and Multi-residue quantitation of veterinary drugs in animal tissue using an optimized solid phase extraction protocol. 8th Workshop on Environmental Applications and Food Safety, Barcelona, Spain; 2-4 July 2012)
Fish	Analysis of Selected Veterinary Drug Residues- LC-MS/MS Method <u>A1-Stilbens -3</u> Dienestrol; Diethylstilbestrol; Hexestrol <u>A3-Steroids -3</u> 17-alpha-Methyltestosterone; Melengestrol acetate; Trenbolone <u>A4-Resorsilic acid lactones -6</u> Zearalanone; Zearalene; Zeranol (Alfa Zearalanol); α-Zearalenol; β-Zearalanol (Taleranol); β-Zearalenol	In House Method "VKB-TL-07 Rev. No:00" (Modified from: Journal of Chromatography B; 2013; 940; 15-23 and Multi-residue quantitation of veterinary drugs in animal tissue using an optimized solid phase extraction protocol. 8th Workshop on Environmental Applications and Food Safety, Barcelona, Spain; 2-4 July 2012)
Poultry Muscle	Analysis of Selected Veterinary Drug Residues- LC-MS/MS Method <u>A1-Stilbens -3</u> Dienestrol; Diethylstilbestrol; Hexestrol <u>A3-Steroids -3</u> 17-alpha-Methyltestosterone; Melengestrol acetate; Trenbolone <u>A4-Resorsilic acid lactones -6</u> Zearalanone; Zearalene; Zeranol (Alfa Zearalanol); α-Zearalenol; β-Zearalanol (Taleranol); β-Zearalenol	In House Method "VKB-TL-06 Rev. No:00" (Modified from: Journal of Chromatography B; 2013; 940; 15-23 and Multi-residue quantitation of veterinary drugs in animal tissue using an optimized solid phase extraction protocol. 8th Workshop on Environmental Applications and Food Safety, Barcelona, Spain; 2-4 July 2012 modified)

 <p>Test TS EN ISO/IEC 17025 AB-0030-T</p>	GIDA VE YEM KONTROLMERKEZ ARAŞTIRMA ENSTİTÜSÜ MÜDÜRLÜĞÜ	
	Accreditation Nr: AB-0030-T Revision Nr: 23 Date: 21.03.2023	
Testing Laboratory		
Address : ADALET MAH. 1.HÜRRİYET CAD. NO:128 /1 OSMANGAZI Bursa / Türkiye	Phone : +90 224 246 4721 Fax : - Email : vesile.cetin@tarimorman.gov.tr Website : https://arastirma.tarimorman.gov.tr/bursagida	

Poultry Muscle	Analysis of Selected Veterinary Drug Residues- LC-MS/MS Method <u>Amphenicols -3</u> Chloramphenicol; Florfenicol; Thiamfenicol <u>Anticoccidials- 7</u> Amprolium; Decoquinat; Diclazuril; Halofuginone; Monensin; Robenidine; Toltrazuril Sulfone <u>Avermectins-3</u> Abamectin; Eprinomectin; Ivermectin <u>Benzimidazoles-11</u> Albendazole; Albendazole Sulfone; Albendazole Sulfoxide; Albendazole-2-aminosulfone; Cambendazole; Flubendazole; Ketotriclabendazole; Levamisol; Thiabendazole; Thiabendazole-5-Hydroxy; Triclabendazole <u>Diaminopyrimidines- 1</u> Trimethoprim <u>Quinolones - 9</u> Ciprofloxacin; Danofloxacin; Difloxacin; Enrofloxacin; Flumequine; Marbofloxacin; Nalidixic Acid; Oxolinic Acid; Sarafloxacin <u>Lincosamides - 1</u> Lincomycin <u>Macrolides 6</u> Erythromycin; Neospiramycin; Spiramycin; Tilmicosin; Tylosin; Tyvalosin <u>Nitroimidazoles - 4</u> Iprnidazole Hydroxy; Metronidazole; Metronidazole Hydroxy; Ronidazole <u>NSAIDs - 5</u> Carprofen; Diclofenac; Flunixin; Meloxicam; Phenylbutazone <u>Penicillins - 7 Adet</u> Cephapirin; Cloxacillin; Dicloxacillin; Nafacillin; Oxacillin; Penicillin G (Benzylpenicillin); Phenoxymethyl Penicillin (Penicillin V) <u>Quinolones - 1</u> 3-Methylquinoxaline-2-carboxylic acid (MQCA) <u>Sulfanamides - 10</u> Sulfachloropyridazine; Sulfadiazine; Sulfadimethoxine; Sulfadoxine; Sulfamerazine; Sulfamethazine; Sulfamethoxazole; Sulfapyridine; Sulfaquinoxaline; Sulfathiazole <u>Tetracyclines 6</u> Doxycycline; Epitetracycline; Oxytetracycline; Tetracycline; 4-epi-Chlortetracycline; 4-epi-Oxytetracycline	In House Method "VKB-TL-11 Rev. No:00" (Modified from: Barnes ve ark. 2008. 8th Workshop on Environmental Applications and Food Safety. 2-4 July 2012. Barcelona, Spain and Zhao ve ark. Determination of Sulfonamide Antibiotics in Bovine Liver Using Agilent Bond Elut QuEChERS EN Kits by LC/MS/MS, 2012)
Food (Milk Powder, Whey Powder)	Analysis of Selected Veterinary Drug Residues- LC-MS/MS Method <u>Macrolides -6</u> Erythromycin; Spiramycin; Neospiramycin; Tilmicosin; Tylosin; Tyvalosin <u>Quinolones -9</u> Ciprofloxacin; Danofloxacin; Difloxacin; Enrofloxacin; Flumequin; Sarafloxacin; Marbofloxacin; Nalidixic Acid; Oxolinic Acid <u>Lincosamides -1 Adet</u> Lincomycin <u>Sulfanamides -10</u> Sulfachloropyridazine; Sulfadiazine; Sulfadimethoxine; Sulfadoxine; Sulfamerazine; Sulfamethazine; Sulfamethoxazole; Sulfapyridine; Sulfaquinoxaline; Sulfathiazole <u>Diaminopyrimidines-1</u> Trimethoprim	In House Method "VKB-TL-10 Rev. No 00" (Modified from: Analytica Chimica Acta. 2015 Jun 23;880:103-21)
Food (Fish)	Analysis of Selected Veterinary Drug Residues- LC-MS/MS Method <u>Nitroimidazoles-7</u> Ronidazole; Dimetridazole; Metronidazole; Metronidazole Hydroxy; Iprnidazole; Iprnidazole Hydroxy; HMMNI (2-Hydroxymethyl-1-methyl-5-nitro-1H-imidazole); <u>Amfenicols-3</u> Chloramphenicol; Florfenicol; Thiamfenicol <u>Tetracyclines-7</u> Doxycycline; Tetracycline; Epitetracycline; Chlortetracycline; 4-epi-Chlortetracycline; Oxytetracycline; 4-epi-Oxytetracycline <u>Quinolones-6</u> Danofloxacin; Difloxacin; Enrofloxacin; Flumequine; Oxolinic Acid; Sarafloxacin <u>Macrolides-2</u> Tilmicosin; Tylosin <u>β-Lactams-5</u> Oxacillin; Penicillin G (Benzylpenicillin); Ampicillin; Dicloxacillin; Cloxacillin	In House Method "VKB-TL-19 Rev. No 02/01.07.2021 (Modified from: -Multi-residue quantitation of veterinary drugs in animal tissue using optimized solid phase extraction protocol; 8th Workshop on Environmental Applications and Food Safety. Barcelona; 2-4 July 2012 Spain; 2008. -Agilent Bond Elut QuEChERS EN Kits by LC/MS/MS; 2012)
Feed and raw materials of feed	Determination of Crude fibre	AOCs Ba 6a-05

Accreditation Scope

 <p>TÜRKAK</p> <p>Test TS EN ISO/IEC 17025 AB-0030-T</p>	GIDA VE YEM KONTROLMERKEZ ARAŞTIRMA ENSTİTÜSÜ MÜDÜRLÜĞÜ	
	Accreditation Nr: AB-0030-T Revision Nr: 23 Date: 21.03.2023	
Testing Laboratory		
Address : ADALET MAH. 1.HÜRRİYET CAD. NO:128 /1 OSMANGAZI Bursa / Türkiye	Phone : +90 224 246 4721 Fax : - Email : vesile.cetin@tarimorman.gov.tr Website : https://arastirma.tarimorman.gov.tr/bursagida	

Feed and raw materials of feed	Determination of Crude fat	AOCS Am 5-04
Feed and raw materials of feed	Determination of Total fat	In-house Method –"YMB-TL-33 Rev. No:02" (Modified from: ANKOM Acid Hydrolysis Application Note)
Feed and raw materials of feed	Determination of Total phosphorus Spectrophotometric method	Regulation on Sampling and Analysis Methods for Official Control of Feeds, Official Gazette No. 29955
Feed and raw materials of feed	Analysis of Water-soluble chlorides (NaCl) Titrimetric method	Akyıldız, 1968. Feed Science Laboratory Manual, p. 133-134.
Feed and raw materials of feed	Determination of Total sugars Luff-Schoorl Method	Regulation on Sampling and Analysis Methods for Official Control of Feeds, Official Gazette No. 29955
Feed and Raw Materials of Feed; Feed Additives	Determination of Crude fat	Regulation on Sampling and Analysis Methods for Official Control of Feeds, Official Gazette No. 29955
Feed and Raw Materials of Feed; Feed Additives	Determination of Fibre	AOAC 962.09
Feed and Raw Materials of Feed; Feed Additives	Determination of Crude Ash	TS ISO 5984
Feed and Raw Materials of Feed; Feed Additives	Analysis of Ash Insoluble in HCl	Regulation on Sampling and Analysis Methods for Official Control of Feeds, Official Gazette No. 29955
Feed and Raw Materials of Feed; Feed Additives	Determination of Crude protein Combusion Method (The principle of Dumas)	AOAC 990.03
Feed and Raw Materials of Feed; Feed Additives	Determination of Dry Matter and Moisture	Regulation on Sampling and Analysis Methods for Official Control of Feeds, Official Gazette No. 29955
Feed and Raw Materials of Feed; Feed Additives	Determination of Starch Polarimetric method	Regulation on Sampling and Analysis Methods for Official Control of Feeds, Official Gazette No. 29955
Feed and Raw Materials of Feed; Feed Additives	Determination of Urea Spectrophotometric method	TS 10338
Cereal Grains Feed's Raw Material	Determination of Dry matter and moisture	TS EN ISO 712
Environmental Samples from Food, Food Management	Aerobic Colony Count	AOAC 2008.10 bioMérieux TEMPO, AC 411113
Food (Except foods with high enzymatic activity, raw red offal and raw mollusks)	<i>Escherichia coli</i> Count	AOAC 2009.02 bioMérieux TEMPO EC;80 004

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Food (except fruit purees, cocoa)	Coliform Bacteria Count	AOAC 2008.10 bioMérieux TEMPO TC 80 006
Food (excluding fruit purees, cocoa, raw mushrooms, powdered milk, cereals, instant soups, ready-to-use cake mixes)	Coagulase Positive Staphylococcus Count	AOAC 2009 bioMérieux TEMPO STA; 80 002
Food (excluding fruit purees, cocoa, raw mushrooms, and beverages)	<i>Enterobacteriaceae</i> Count	AOAC 2008 bioMérieux TEMPO; EB 80 003
Food (except fruit purees, cocoa, fermented products, and yogurt)	Yeast and Mould Count	AOAC 2010 bioMérieux TEMPO; YM 80 001
Food, Feed	<i>Escherichia coli</i> O157:(H7) Detection	bioMérieux VIDAS UP O157 ECPT 30 122
Food, Feed	<i>Listeria monocytogenes</i> Detection	AOAC 2013.11; bioMérieux VIDAS LMX 30 123
Food, Feed	Detection of <i>Salmonella</i> spp.	AOAC 2013.01 bioMérieux VIDAS UP SPT 30 707
Food, Feed	Detection of <i>Salmonella</i> spp.	TS EN ISO 6579-1
Food, Feed	Aerobic Colony Count Pour Plate Technique	ISO 4833-1
Food, Feed	<i>Escherichia coli</i> Count Colony Count technique	ISO 16649-2
Food, Feed	Coliform Bacteriae Count Colony Count technique	ISO 4832
Food, Feed	<i>Listeria monocytogenes</i> (<i>Listeria</i> spp.) detection	ISO 11290-1
Food, Feed	Yeast and Mould Count Colony Count Technique	ISO 21527-1 ISO 21527-2
Food, Feed	Coagulase Positive Staphylococcus Count -(<i>Staphylococcus aureus</i> and other spe) Colony Count Technique	TS 6582-2 EN ISO 6888-1 TS 6582-2 EN ISO 6888-2
Food, Feed	<i>Clostridium perfringens</i> (<i>Clostridium</i> spp.) Count Colony Count Technique	TS EN ISO 7937
Food, Feed	<i>Vibrio</i> spp Detection; <i>Vibrio cholera</i> and <i>Vibrio parahaemolyticus</i> Detection	ISO/TS 21872-1
Raw Milks	Somatic Cell Count	TS EN ISO 13366-1
Food, Feed, Environmental Samples taken From Food Plants	<i>Enterobacteriaceae</i> Count	ISO 21528-2 ISO 21528-1
Food	<i>Bacillus cereus</i> Count Colony Count technique	TS EN ISO 7932

Accreditation Scope

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Food	<i>Bacillus cereus</i> Count	AOAC 071401; bioMérieux TEMPO BC;80106
Water	<i>Colony Count</i>	TS EN ISO 6222
Water	<i>Fecal Enterococcus Count</i>	SM 9230 B
Water	<i>Escherichia coli (E.coli)</i> and Coliform Bacteria Count Most Probable Number Technique	ISO 9308-2
Water	Enterococcus Fecal Streptococcus Count	Enterolert-E, Quanti-Tray 2000, TS EN ISO 7899-1
Water	<i>Salmonella</i> Spp. Detection Membrane Filtration Method	ISO 19250
Food (except milk and dairy product)	B-Glucuronidase Positive <i>E. coli</i> Count	ISO/TS 16649-3
Food, Feed and Food Contact Surfaces	<i>Escherichia coli</i> Count Most Probable Number Technique	ISO 7251
Food, Feed and Seed	GMO Screening Analysis(p35S, tNOS, pFMV, bar) Real Time PCR Metod Pre-treatment: DNA Extraction	Kit Method (Biotecon Foodproof GMO Screening Kit) ISO 21569 ISO 24276 Kit Method (Eurofins GENESpin DNA Isolation Kit Manuel) ISO 21571
Food, Feed and Seed	Identification and Quantification Analysis of Maize Event GA21 Real Time PCR Metod Pre-treatment: DNA Extraction	EURL Method (QT-EVE-ZM-007) ISO 21570 ISO 24276 Kit Method (Eurofins GENESpin DNA Isolation Kit Manuel) ISO 21571
Food, Feed and Seed	Identification and Quantification Analysis of Maize Event NK603 Real Time PCR Metod Pre-treatment: DNA Extraction	EURL Method (QT-EVE-ZM-008) ISO 21570 ISO 24276 Kit Method (Eurofins GENESpin DNA Isolation Kit Manuel) ISO 21571
Food, Feed and Seed	Identification and Quantification Analysis of Maize Event MON863 Real Time PCR Metod Pre-treatment: DNA Extraction	EURL Method (QT-EVE-ZM-009) ISO 21570 ISO 24276 Kit Method (Eurofins GENESpin DNA Isolation Kit Manuel) ISO 21571
Food, Feed and Seed	Identification and Quantification Analysis of Maize Event MON810 Real Time PCR Metod Pre-treatment: DNA Extraction	EURL Method (QT-EVE-ZM-020) ISO 21570 ISO 24276 Kit Method (Eurofins GENESpin DNA Isolation Kit Manuel) ISO 21571
Food, Feed and Seed	Identification and Quantification Analysis of Maize Event TC1507 Real Time PCR Metod Pre-treatment: DNA Extraction	EURL Method (QT-EVE-ZM-010) ISO 21570 ISO 24276 Kit Method (Eurofins GENESpin DNA Isolation Kit Manuel) ISO 21571
Food, Feed and Seed	Identification and Quantification Analysis of Maize Event DAS59122 Real Time PCR Metod Pre-treatment: DNA Extraction	EURL Method (QT-EVE-ZM-012) ISO 21570 ISO 24276 Kit Method (Eurofins GENESpin DNA Isolation Kit Manuel) ISO 21571

Accreditation Scope

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	Testing Laboratory	
Address : ADALET MAH. 1.HÜRRİYET CAD. NO:128 /1 OSMANGAZI Bursa / Türkiye	Phone : +90 224 246 4721 Fax : - Email : vesile.cetin@tarimorman.gov.tr Website : https://arastirma.tarimorman.gov.tr/bursagida	

Food, Feed and Seed	Identification and Quantification Analysis of Maize Event MON88017 Real Time PCR Metod Pre-treatment: DNA Extraction	EURL Method (QT-EVE-ZM-016) ISO 21570 ISO 24276 Kit Method (Eurofins GENESpin DNA Isolation Kit Manuel) ISO 21571
Food, Feed and Seed	Identification and Quantification Analysis of Maize Event MON89034 Real Time PCR Metod Pre-treatment: DNA Extraction	EURL Method (QT-EVE-ZM-018) ISO 21570 ISO 24276 Kit Method (Eurofins GENESpin DNA Isolation Kit Manuel) ISO 21571
Food, Feed and Seed	Identification and Quantification Analysis of Soybean Event MON89788 Real Time PCR Metod Pre-treatment: DNA Extraction	EURL Method (QT-EVE-GM-006) ISO 21570 ISO 24276 Kit Method (Eurofins GENESpin DNA Isolation Kit Manuel) ISO 21571
Food, Feed and Seed	Identification and Quantification Analysis of Cotton Event MON15985 Real Time PCR Metod Pre-treatment: DNA Extraction	EURL Method (QT-EVE-GH-005) ISO 21570 ISO 24276 Kit Method (Eurofins GENESpin DNA Isolation Kit Manuel) ISO 21571
Food, Feed and Seed	Identification and Quantification Analysis of Cotton Event MON1445 Real Time PCR Metod Pre-treatment: DNA Extraction	EURL Method (QT-EVE-GH-003) ISO 21570 ISO 24276 Kit Method (Eurofins GENESpin DNA Isolation Kit Manuel) ISO 21571
Food, Feed and Seed	Identification and Quantification Analysis of Cotton Event MON531 Real Time PCR Metod Pre-treatment: DNA Extraction	EURL Method (QT-EVE-GH-004) ISO 21570 ISO 24276 Kit Method (Eurofins GENESpin DNA Isolation Kit Manuel) ISO 21571
Food, Feed and Seed	Identification and Quantification Analysis of Soybean Event MON-40-3-2 Real Time PCR Metod Pre-treatment: DNA Extraction	EURL Method (QT-EVE-GM-005) ISO 21570 ISO 24276 Kit Method (Eurofins GENESpin DNA Isolation Kit Manuel) ISO 21571
Food, Feed and Seed	Identification and Quantification Analysis of Oilseed Rape Event RT73 Real Time PCR Metod Pre-treatment: DNA Extraction	EURL Method (QT-EVE-BN-004) ISO 21570 ISO 24276 Kit Method (Eurofins GENESpin DNA Isolation Kit Manuel) ISO 21571
Food, Feed and Seed	Identification and Quantification Analysis of Sugar Beet Event H7-1 Real Time PCR Metod Pre-treatment: DNA Extraction	EURL Method (QT-EVE-BV-001) ISO 21570 ISO 24276 Kit Method (Eurofins GENESpin DNA Isolation Kit Manuel) ISO 21571
Food, Feed and Seed	Identification and Quantification Analysis of Soybean Event A2704-12 Real Time PCR Metod Pre-treatment: DNA Extraction	EURL Method (QT-EVE-GM-004) ISO 21570 ISO 24276 Kit Method (Eurofins GENESpin DNA Isolation Kit Manuel) ISO 21571
Food, Feed and Seed	Identification and Quantification Analysis of Maize Event MIR604 Real Time PCR Metod Pre-treatment: DNA Extraction	EURL Method (QT-EVE-ZM-013) ISO 21570 ISO 24276 Kit Method (Eurofins GENESpin DNA Isolation Kit Manuel) ISO 21571
Food, Feed and Seed	Identification and Quantification Analysis of Maize Event BT11 Real Time PCR Metod Pre-treatment: DNA Extraction	EURL Method (QT-EVE-ZM-015) ISO 21570 ISO 24276 Kit Method (Eurofins GENESpin DNA Isolation Kit Manuel) ISO 21571

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	Testing Laboratory	
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Food, Feed and Seed	Identification and Quantification Analysis of Oilseed Rape Event T45 Real Time PCR Metod Pre-treatment: DNA Extraction	EURL Method (QT-EVE-BN-001) ISO 21570 ISO 24276 Kit Method (Eurofins GENESpin DNA Isolation Kit Manuel) ISO 21571
Food, Feed and Seed	Identification and Quantification Analysis of Oilseed Rape Event RF3 Real Time PCR Metod Pre-treatment: DNA Extraction	EURL Method (QT-EVE-BN-003) ISO 21570 ISO 24276 Kit Method (Eurofins GENESpin DNA Isolation Kit Manuel) ISO 21571
Food, Feed and Seed	Identification and Quantification Analysis of Oilseed Rape Event MS8 Real Time PCR Metod Pre-treatment: DNA Extraction	EURL Method (QT-EVE-BN-002) ISO 21570 ISO 24276 Kit Method (Eurofins GENESpin DNA Isolation Kit Manuel) ISO 21571
Food, Feed and Seed	Identification and Quantification Analysis of Soybean Event MON87701 Real Time PCR Metod Pre-treatment: DNA Extraction	EURL Method (QT-EVE-GM-010) ISO 21570 ISO 24276 Kit Method (Eurofins GENESpin DNA Isolation Kit Manuel) ISO 21571
Food, Feed and Seed	Identification and Quantification Analysis of Soybean Event A5547-127 Real Time PCR Metod Pre-treatment: DNA Extraction	EURL Method (QT-EVE-GM-007) ISO 21570 ISO 24276 Kit Method (Eurofins GENESpin DNA Isolation Kit Manuel) ISO 21571
Food, Feed and Seed	Identification and Quantification Analysis of Soybean Event DP-356043-5 Real Time PCR Metod Pre-treatment: DNA Extraction	EURL Method (QT-EVE-GM-009) ISO 21570 ISO 24276 Kit Method (Eurofins GENESpin DNA Isolation Kit Manuel) ISO 21571
Food, Feed and Seed	Identification and Quantification Analysis of Maize Event 3272 Real Time PCR Metod Pre-treatment: DNA Extraction	EURL Method (QT-EVE-ZM-019) ISO 21570 ISO 24276 Kit Method (Eurofins GENESpin DNA Isolation Kit Manuel) ISO 21571
Food, Feed and Seed	Identification and Quantification Analysis of Cotton Event 281-24-236 Real Time PCR Metod Pre-treatment: DNA Extraction	EURL Method (QT-EVE-GH-001A) ISO 21570 ISO 24276 Kit Method (Eurofins GENESpin DNA Isolation Kit Manuel) ISO 21571
Food, Feed and Seed	Identification and Quantification Analysis of Cotton Event 3006-210-23 Real Time PCR Metod Pre-treatment: DNA Extraction	EURL Method (QT-EVE-GH-001B) ISO 21570 ISO 24276 Kit Method (Eurofins GENESpin DNA Isolation Kit Manuel) ISO 21571
Food, Feed and Seed	Identification and Quantification Analysis of Cotton Event LLCOTTON25 Real Time PCR Metod Pre-treatment: DNA Extraction	EURL Method (QT-EVE-GH-002) ISO 21570 ISO 24276 Kit Method (Eurofins GENESpin DNA Isolation Kit Manuel) ISO 21571
Food, Feed and Seed	Identification and Quantification Analysis of Maize Event MIR162 Real Time PCR Metod Pre-treatment: DNA Extraction	EURL Method (QT-EVE-ZM-022) ISO 21570 ISO 24276 Kit Method (Eurofins GENESpin DNA Isolation Kit Manuel) ISO 21571
Food, Feed and Seed	Identification and Quantification Analysis of Oilseed Rape Event Topas19/2 Real Time PCR Metod Pre-treatment: DNA Extraction	EURL Method (QT-EVE-BN-008) ISO 21570 ISO 24276 Kit Method (Eurofins GENESpin DNA Isolation Kit Manuel) ISO 21571

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Food, Feed and Seed	Identification and Quantification Analysis of Cotton Event GHB614 Real Time PCR Metod Pre-treatment: DNA Extraction	EURL Method (QT-EVE-GH-006) ISO 21570 ISO 24276 Kit Method (Eurofins GENESpin DNA Isolation Kit Manuel) ISO 21571
Food, Feed and Seed	Identification and Quantification Analysis of Maize Event T25 Real Time PCR Metod Pre-treatment: DNA Extraction	EURL Method (QT-EVE-ZM-011) ISO 21570 ISO 24276 Kit Method (Eurofins GENESpin DNA Isolation Kit Manuel) ISO 21571
Food, Feed and Seed	Identification and Quantification Analysis of Oilseed Rape Event MS1 Real Time PCR Metod Pre-treatment: DNA Extraction	EURL Method (QT-EVE-BN-005) ISO 21570 ISO 24276 Kit Method (Eurofins GENESpin DNA Isolation Kit Manuel) ISO 21571
Food, Feed and Seed	Identification and Quantification Analysis of Cotton Event MON88913 Real Time PCR Metod Pre-treatment: DNA Extraction	EURL Method (QT-EVE-GH-007) ISO 21570 ISO 24276 Kit Method (Eurofins GENESpin DNA Isolation Kit Manuel) ISO 21571
Food, Feed and Seed	Identification and Quantification Analysis of Soybean Event MON87708 Real Time PCR Metod Pre-treatment: DNA Extraction	EURL Method (QT-EVE-GM-012) ISO 21570 ISO 24276 Kit Method (Eurofins GENESpin DNA Isolation Kit Manuel) ISO 21571
Food, Feed and Seed	Identification and Quantification Analysis of Soybean Event MON87769 Real Time PCR Metod Pre-treatment: DNA Extraction	EURL Method (QT-EVE-GM-002) ISO 21570 ISO 24276 Kit Method (Eurofins GENESpin DNA Isolation Kit Manuel) ISO 21571
Food, Feed and Seed	Identification and Quantification Analysis of Soybean Event DP-305423-1 Real Time PCR Metod Pre-treatment: DNA Extraction	EURL Method (QT-EVE-GM-008) ISO 21570 ISO 24276 Kit Method (Eurofins GENESpin DNA Isolation Kit Manuel) ISO 21571
Food, Feed and Seed	Identification and Quantification Analysis of Maize Event MON87460 Real Time PCR Metod Pre-treatment: DNA Extraction	EURL Method (QT-EVE-ZM-005) ISO 21570 ISO 24276 Kit Method (Eurofins GENESpin DNA Isolation Kit Manuel) ISO 21571
Food, Feed and Seed	Identification and Quantification Analysis of Oilseed Rape Event MON88302 Real Time PCR Metod Pre-treatment: DNA Extraction	Method (QT-EVE-BN-010) ISO 21570 ISO 24276 Kit Method (Eurofins GENESpin DNA Isolation Kit Manuel) ISO 21571
Food, Feed and Seed	Identification and Quantification Analysis of Soybean Event CV127 Real Time PCR Metod Pre-treatment: DNA Extraction	EURL Method (QT-EVE-GM-011) ISO 21570 ISO 24276 Kit Method (Eurofins GENESpin DNA Isolation Kit Manuel) ISO 21571
Food, Feed and Seed	Identification and Quantification Analysis of Soybean Event MON87705 Real Time PCR Metod Pre-treatment: DNA Extraction	EURL Method (QT-EVE-GM-003) ISO 21570 ISO 24276 Kit Method (Eurofins GENESpin DNA Isolation Kit Manuel) ISO 21571
Food, Feed and Seed	Identification and Quantification Analysis of Cotton Event T304-40 Real Time PCR Metod Pre-treatment: DNA Extraction	EURL Method (QT-EVE-GH-009) ISO 21570 ISO 24276 Kit Method (Eurofins GENESpin DNA Isolation Kit Manuel) ISO 21571

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Food, Feed and Seed	Soybean Plant Specific Gene Detection Analysis Real Time PCR Metod Pre-treatment: DNA Extraction	EURL Method (QT-TAX-GM-009) ISO 21569 ISO 24276 Kit Method (Eurofins GENESpin DNA Isolation Kit Manuel) ISO 21571
Food, Feed and Seed	Maize Plant Specific Gene Detection Analysis Real Time PCR Metod Pre-treatment: DNA Extraction	EURL Method (QT-TAX-ZM-002) ISO 21569 ISO 24276 Kit Method (Eurofins GENESpin DNA Isolation Kit Manuel) ISO 21571
Food, Feed and Seed	Cotton Plant Specific Gene Detection Analysis Real Time PCR Metod Pre-treatment: DNA Extraction	EURL Method (QT-TAX-GH-018) ISO 21569 ISO 24276 Kit Method (Eurofins GENESpin DNA Isolation Kit Manuel) ISO 21571
Food, Feed and Seed	Oilseed Rape Plant Specific Gene Detection Analysis Real Time PCR Metod Pre-treatment: DNA Extraction	EURL Method (QT-TAX-BN-012) ISO 21569 ISO 24276 Kit Method (Eurofins GENESpin DNA Isolation Kit Manuel) ISO 21571
Food, Feed and Seed	Sugar Beet Plant Specific Gene Detection Analysis Real Time PCR Metod Pre-treatment: DNA Extraction	EURL Method (QT-TAX-BV-013) ISO 21569 ISO 24276 Kit Method (Eurofins GENESpin DNA Isolation Kit Manuel) ISO 21571
Food, Feed and Seed	Identification and Quantification Analysis of Maize Event DAS-40278-9 Real Time PCR Metod Pre-treatment: DNA Extraction	EURL Method (QT-EVE-ZM-004) ISO 21570 ISO 24276 Kit Method (Eurofins GENESpin DNA Isolation Kit Manuel) ISO 21571
Food, Feed and Seed	Identification and Quantification Analysis of Soybean Event FG72 Real Time PCR Metod Pre-treatment: DNA Extraction	EURL Method (QT-EVE-GM-001) ISO 21570 ISO 24276 Kit Method (Eurofins GENESpin DNA Isolation Kit Manuel) ISO 21571
Food, Feed and Seed	Identification and Quantification Analysis of Cotton Event GHB119 Real Time PCR Metod Pre-treatment: DNA Extraction	EURL Method (QT-EVE-GH-008) ISO 21570 ISO 24276 Kit Method (Eurofins GENESpin DNA Isolation Kit Manuel) ISO 21571
Food, Feed and Seed	Identification and Quantification Analysis of Maize Event MON87427 Real Time PCR Metod Pre-treatment: DNA Extraction	EURL Method (QT-EVE-ZM-003) ISO 21570 ISO 24276 Kit Method (Eurofins GENESpin DNA Isolation Kit Manuel) ISO 21571
Food, Feed and Seed	Identification and Quantification Analysis of Soybean Event DAS-44406-6 Real Time PCR Metod Pre-treatment: DNA Extraction	EURL Method (QT-EVE-GM-015) ISO 21570 ISO 24276 Kit Method (Eurofins GENESpin DNA Isolation Kit Manuel) ISO 21571
Food, Feed and Seed	Identification and Quantification Analysis of Soybean Event DAS-68416-4 Real Time PCR Metod Pre-treatment: DNA Extraction	EURL Method (QT-EVE-GM-013) ISO 21570 ISO 24276 Kit Method (Eurofins GENESpin DNA Isolation Kit Manuel) ISO 21571
Food, Feed and Seed	Identification and Quantification Analysis of Soybean Event DAS-81419-2 Real Time PCR Metod Pre-treatment: DNA Extraction	EURL Method (QT-EVE-GM-014) ISO 21570 ISO 24276 Kit Method (Eurofins GENESpin DNA Isolation Kit Manuel) ISO 21571

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Testing Laboratory		
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Food, Feed and Seed	Identification and Quantification Analysis of Maize Event 4114 Real Time PCR Method Pre-treatment: DNA Extraction	EURL Method (QT-EVE-ZM-026) ISO 21570 ISO 24276 Kit Method (Eurofins GENESpin DNA Isolation Kit Manuel) ISO 21571
Food, Feed and Seed	Identification and Quantification Analysis of Maize Event MON 87411 Real Time PCR Method Pre-treatment: DNA Extraction	EURL Method (QT-EVE-ZM-024) ISO 21570 ISO 24276 Kit Method (Eurofins GENESpin DNA Isolation Kit Manuel) ISO 21571
Food, Feed and Seed	Identification and Quantification Analysis of Maize Event MON 87403 Real Time PCR Method Pre-treatment: DNA Extraction	EURL Method (QT-EVE-ZM-025) ISO 21570 ISO 24276 Kit Method (Eurofins GENESpin DNA Isolation Kit Manuel) ISO 21571
Food, Feed and Seed	Identification and Quantification Analysis of 5307 Maize GDO Event Real Time PCR Method Pre-treatment: DNA Extraction	EURL Method (QT-EVE-ZM-002) ISO 21570 ISO 24276 Kit Method (Eurofins GENESpin DNA Isolation Kit Manuel) ISO 21571
Food, Feed and Seed	Identification and Quantification Analysis of MZHGOJG Maize GDO T Event Real Time PCR Method Pre-treatment: DNA Extraction	EURL Method (QT-EVE-ZM-027) ISO 21570 ISO 24276 Kit Method (Eurofins GENESpin DNA Isolation Kit Manuel) ISO 21571
Food, Feed and Seed	Identification and Quantification Analysis of Soybean Event MON 87751-7 Real Time PCR Method Pre-treatment: DNA Extraction	EURL Method (QT-EVE-GM-016) ISO 21570 ISO 24276 Kit Method (Eurofins GENESpin DNA Isolation Kit Manuel) ISO 21571
Food, Feed and Seed	Identification and Quantification Analysis of Maize Event MZIR098 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 Manuel) ISO 21571
Food, Feed and Seed	Identification and Quantification Analysis of Soybean Event SYHT0H2 Real Time PCR Method Pretreatment: DNA extraction	EURL Method (QT- EVE-GM-017) ISO 21570 ISO 24276 Kit Method (Eurofins GENESpin DNA Isolation Kit Manuel) ISO 21571
Lactic Acid Bacteria	Sequencing 16S Gene Ribo Printer Method Pre-treatment: EcoRI enzyme treatment	Kit Method (Ribo Printer Kit Procedure) Kit Method (EcoRI Enzyme Kit)
Yogurt and chsee	Organic acid Analysis (Oxalic Acid, Formic Acid, Pyruvic Acid, Lactic Acid, Acetic Acid, Citric Acid, Succinic Acid, Propionic Acid, Butyric Acid) HPLC-DAD Method	In-house Method-" GEB-TL-63 Rev. No 00" Modified from : DOI:10.1016/j.talanta.2016.01.061
Lactic Acid Bacteria	Sequencing 16S Gene New Generation Sequencing Method (NGS) Pre-treatment: DNA Extraction	Kit Method (Nextera DNA Flex Library Prep and MiniSeq Mid Output 300-cycles kit procedure) Kit Method (GeneMATRIX Tissue Bacterial DNA Extraction Kit)
Lactic Acid Bacteria	Sequencing Whole Genome New Generation Sequence Method Pre-treatment: DNA extraction	Kit Method (Nextera DNA Flex Library Prep ve MiniSeq Mid Output 300-cycles kit procedure) Kit Method (GeneMATRIX Tissue Bacterial DNA extraction kit) Kit Method (iQuant kit procedure)

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Lactic acid bacteria	Sequencing Target gene New Generation Sequence Method Pre-treatment: DNA extraction	Kit Method (Nextera DNA Flex Library Prep ve MiniSeq Mid Output 300-cycles kit procedure) Kit Method (GeneMATRIX Tissue Bacterial DNA extraction kit) Kit Method (iQuant kit procedure)
Lactic acid bacteria	Identification with VITEK MS MALDI-TOF Mass Spectrophotometry MALDI-TOF MS Method	In-house Method-"GEG-TL-24 Rev. No 00" Modified from : Equipment Manuel, doi.org/10.1016/j.diagmicrobio.2013.08.013
Milk and dairy products	Determination of Milk Species (Searching for the Presence of Cattle Milk) RealTime-PCR Method Pretreatment: DNA Extraction	Kit Method (SNPRTs-SG Milk Specimen Panel Kit Procedure) Kit Method (NucleoSpin Genomic DNA extraction kit procedure)
Milk and dairy products	Determination of Milk Species (Searching for the Presence of Sheep Milk) RealTime-PCR Method Pretreatment: DNA Extraction	Kit Metodu (SNPRTs-KY Milk Specimen Panel Kit Procedure) Kit Method (NucleoSpin Genomic DNA extraction kit procedure)
Meat; Meat Products and Dairy Products	Meat Species Determination (Horse Meat Search) Real Time PCR Method Pretreatment: DNA Extraction	Kit Metodu (SNPRT-A Speciation Panel Kit Procedure) Kit Method (NucleoSpin Genomic DNA extraction kit procedure)
Meat; Meat Products and Dairy Products	Meat Species Determination (Donkey Meat Search) Real Time PCR Method Pretreatment: DNA Extraction	Kit Metodu (SNPRT-E Speciation Panel Kit Procedure) Kit Method (NucleoSpin Genomic DNA extraction kit procedure)
Meat; Meat Products and Dairy Products	Meat Species Determination (Pig Meat Search) Real Time PCR Method Pretreatment: DNA Extraction	Kit Metodu (SNPRT- D, Speciation Panel Kit Procedure) Kit Method (NucleoSpin Genomic DNA extraction kit procedure)
Meat; Meat Products and Dairy Products	Meat Species Determination (Chicken Meat Search) Real Time PCR Method Pretreatment: DNA Extraction	Kit Metodu (SNPRT- T Speciation Panel Kit Procedure) Kit Method (NucleoSpin Genomic DNA extraction kit procedure)
Meat; Meat Products and Dairy Products	Meat Species Determination (Turkey Meat Search) Real Time PCR Method Pretreatment: DNA Extraction	Kit Metodu (SNPRT-H Speciation Panel Kit Procedure) Kit Method (NucleoSpin Genomic DNA extraction kit procedure)
Meat; Meat Products and Dairy Products	Meat Species Determination (Beef Meat Search) Real Time PCR Method Pretreatment: DNA Extraction	Kit Metodu (SNPRT- SG Speciation Panel Kit Procedure) Kit Method (NucleoSpin Genomic DNA extraction kit procedure)
Meat; Meat Products and Dairy Products	Meat Species Determination (Sheep Meat Search) Real Time PCR Method Pretreatment: DNA Extraction	Kit Metodu (SNPRT- KY Speciation Panel Kit Procedure) Kit Method (NucleoSpin Genomic DNA extraction kit procedure)
Meat; Meat Products and Dairy Products	Meat Species Determination (Goat Meat Search) Real Time PCR Method Pretreatment: DNA Extraction	Kit Metodu (SNPRT-KÇ Speciation Panel Kit Procedure) Kit Method (NucleoSpin Genomic DNA extraction kit procedure)

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Meat; Meat Products and Dairy Products	Meat Species Identification (Search for the Corn Gene)	Kit Metodu (SNPRT-M Speciation Panel Kit Procedure) Kit Method (NucleoSpin Genomic DNA extraction kit procedure)
	Real Time PCR Method	
	Pretreatment: DNA Extraction	
Meat; Meat Products and Dairy Products	Meat Species Identification (Search for the Soybean Gene)	Kit Metodu (SNPRT-SY Speciation Panel Kit Procedure) Kit Method (NucleoSpin Genomic DNA extraction kit procedure)
	Real Time PCR Method	
	Pretreatment: DNA Extraction	
Feed and raw materials of feed	Fish Species Identification (DNA Search for Bonito)	Kit Metodu (SNP Biotechnology SNPRTB-P Kit Procedure) Kit method (nucleospin genomic DNA extraction kit procedure)
	Real Time PCR Method	
	Pretreatment: DNA extraction	
Feed and raw materials of feed	Fish Species Identification (DNA Search for Salmon)	Kit Metodu (SNP Biotechnology SNPRTB-S Kit Procedure) Kit method (nucleospin genomic DNA extraction kit procedure)
	Real Time PCR Method	
	Pretreatment: DNA extraction	
Feed and raw materials of feed	Fish Species Identification (DNA Search for Sea Bass)	Kit Metodu (SNP Biotechnology SNPRTB-L Kit Procedure) Kit method (nucleospin genomic DNA extraction kit procedure)
	Real Time PCR Method	
	Pretreatment: DNA extraction	
Feed and raw materials of feed	Fish Species Identification (DNA Search for Anchovy)	Kit Metodu (SNP Biotechnology SNPRTB-H Kit Procedure) Kit method (nucleospin genomic DNA extraction kit procedure)
	Real Time PCR Method	
	Pretreatment: DNA extraction	
Feed and raw materials of feed	Fish Species Identification (DNA Search for Sea Bream)	Kit Metodu (SNP Biotechnology SNPRTB-C Kit Procedure) Kit method (nucleospin genomic DNA extraction kit procedure)
	Real Time PCR Method	
	Pretreatment: DNA extraction	
Milk and dairy products	Determination of Milk Species (Searching for the Presence of Goat Milk)	Kit Metodu (SNPRTs-KÇ Milk Specimen Panel Kit Procedure) Kit Method (NucleoSpin Genomic DNA extraction kit procedure)
	RealTime-PCR Method	
	Pretreatment: DNA Extraction	

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.

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Environmental Tests

Tested Materials / Products	Name of Test	Testing Method (National, International Standards, In-house Methods)
Water	Determination of Volatile Organic Compounds (VOC) Benzene; Bromodichloromethane; Dibromochloromethane; 1,2 Dichloroethane; Tetrachloroethene; Tribromomethane; Trichloroethene; Trichloromethane; Vinylchloride Pre-treatment: Purge&Trap (P&T) Measurement: GC/MS-P&T Method	EPA 524.2
Water	Determination of Organochlorine Pesticides Alachlor; Aldrin; Alfa Endosulfan; Alfa HCH; Beta Endosulfan; Beta HCH; Bifenthrin; Bromopropylate; Chlorfenvinphos; Chlorthal Dimethyl; Cyfluthrin; Delta HCH; Dieldrin; Endosulfan Sulfate; Endrin; Fenarimol; Fenpropathrin; Fenvalerate; Gamma-HCH; Heptachlor; Heptachlor endo (trans iso A); Heptachlor exo (cis iso B); Hexachlorobenzene; Lambda cyhalothrin; o,p-DDD (2,4-DDD); o,p-DDE (2,4-DDE); o,p-DDT (2,4-DDT); p,p-DDD (4,4-DDD); p,p-DDE (4,4-DDE); p,p-DDT (4,4-DDT) Procymidone; Propyzamide; Quintozene; Tetraconazole; Triadimefon; Trifloxystrobin; Trifluralin; Vinclozolin Pre-treatment: Solvent extraction Measurement: GC-ECD Method	In-house Method- "KKB-TL-18 Rev. No 05" (Modified from EPA 508)
Water	Determination of Organochlorine Pesticides Alachlor; Aldrin; Alfa Endosulfan; Alfa HCH; Beta Endosulfan; Beta HCH; Bifenthrin; Bromopropylate; Chlorfenvinphos; Chlorthal Dimethyl; Cyfluthrin; Delta HCH; Dieldrin; Endosulfan Sulfate; Endrin; Fenarimol; Fenpropathrin; Fenvalerate; Gamma-HCH; Heptachlor; Heptachlor endo (trans iso A); Heptachlor exo (cis iso B); Hexachlorobenzene; Lambda cyhalothrin; o,p-DDD (2,4-DDD); o,p-DDE (2,4-DDE); o,p-DDT (2,4-DDT); p,p-DDD (4,4-DDD); p,p-DDE (4,4-DDE); p,p-DDT (4,4-DDT) Procymidone; Propyzamide; Quintozene; Tetraconazole; Triadimefon; Trifloxystrobin; Trifluralin; Vinclozolin Pre-treatment: Solvent extraction Measurement: GC-MS/MS Metodu	In-house Method- "KKB-TL-18 Rev. No 05" (Modified from EPA 508)
Water	Determination of Organophosphorus Pesticides Bromophos-Ethyl; Bromophos-Methyl; Cadusofos; Chlorpyrifos-ethyl; Chlorpyrifos-methyl; Demeton-S-methyl; Diazinon; Dicrotophos; Dimethoate; Ditalimfos; Ethion; Ethoprophos; Etrinfos; Fenthion; Heptenophos; Iodofenphos; Isazafos; Isofenphos; Leptophos; Malathion; Mecarbam; Mephosfolan; Methacrifos; Methidathion; Paraxon-ethyl; Paraxon-methyl; Parathion-ethyl; Phenthoate; Phorate; Phosalone; Phosmet; Primiphos-ethyl; Primiphos-methyl; Prothiofos; Pyrazophos; Pyridaphenthion; Quinalphos; Sulfotep; Sulprofos; Terbufos; Tetrachlorvinphos; Triazophos Pre-treatment: Solvent extraction Measurement: GC-FPD Method	In-house Method- "KKB-TL-18 Rev. No 05" (Modified from EPA 507)
Water	Determination of Organophosphorus Pesticides Bromophos-Ethyl; Bromophos-Methyl; Cadusofos; Chlorpyrifos-ethyl; Chlorpyrifos-methyl; Demeton-S-methyl; Diazinon; Dicrotophos; Dimethoate; Ditalimfos; Ethion; Ethoprophos; Etrinfos; Fenthion; Heptenophos; Iodofenphos; Isazafos; Isofenphos; Leptophos; Malathion; Mecarbam; Mephosfolan; Methacrifos; Methidathion; Paraxon-ethyl; Paraxon-methyl; Parathion-ethyl; Phenthoate; Phorate; Phosalone; Phosmet; Primiphos-ethyl; Primiphos-methyl; Prothiofos; Pyrazophos; Pyridaphenthion; Quinalphos; Sulfotep; Sulprofos; Terbufos; Tetrachlorvinphos; Triazophos Pre-treatment: Solvent extraction Measurement: GC-MS/MS Method	In-house Method- "KKB-TL-18 Rev. No 05" (Modified from EPA 507)
Water	Determination of Acrylamide Measurement: LC/MSMS Method	In-house Method- "KKB-TL-93 Rev. No 03" (Modified from Analysis of Acrylamide in Tap Water Using Triple Quadrupole LC/MS/MS)
Water	Determination of Polycyclic Aromatic Hydrocarbons (PAH) [Benzo (a) pyrene; Benzo (b) fluoranthene; Benzo (ghi) perylene; Benzo (k) fluoranthene; Indeno (1;2,3-cd) pyrene] Pre-Treatment: Liquid-Liquid Extraction Measurement: HPLC UV/FLD Method	In-house Method- "KMB-TL-02 Rev. No:00" (Modified from EPA 610)
Water	Determination of Aluminum (Al), Antimony (Sb), Arsenic (As), Copper (Cu), Barium (Ba), Beryllium (Be), Boron (B), Mercury (Hg), Zinc (Zn), Iron (Fe), Silver (Ag), Cadmium (Cd), Tin (Sn), Calcium (Ca), Cobalt (Co), Chromium (Cr), Lead (Pb), Magnesium (Mg), Manganese (Mn), Nickel (Ni), Potassium (K), Selenium (Se), Sodium (Na), Vanadium (V) Pre-treatment: Filtration Pre-treatment: Acidic Microwave Extraction Measurement: ICP-MS Method	TS EN ISO 15587-2 TS EN ISO 17294 1-2



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Waste water	Determination of Aluminum (Al), Antimony (Sb), Arsenic (As), Copper (Cu), Barium (Ba), Beryllium (Be), Boron (B), Mercury (Hg), Zinc (Zn), Iron (Fe), Silver (Ag), Cadmium (Cd), Tin (Sn), Calcium (Ca), Cobalt (Co), Chromium (Cr), Lead (Pb), Magnesium (Mg), Manganese (Mn), Nickel (Ni), Potassium (K), Selenium (Se), Sodium (Na), Vanadium (V)	TS EN ISO 15587-2 TS EN ISO 17294 (1/2)
	Pre-treatment: Filtration Pre-treatment: Acidic Microwave Extraction Measurement: ICP-MS Method	
Water	Determination of Total Suspended Solid Gravimetric Method	TS EN 872
Water	Determination of pH Electrometric Method	TS EN ISO 10523
Water	Determination of Color Spectrophotometric Method	SM 2120 C
Water	Determination of Ammonia/Ammonia Nitrogen Spectrophotometric Method	ASTM D1426 A
	Pre-treatment: Distillation Method Measurement: Nesslerization Method	
Water	Determination of Nitrite/Nitrite Nitrogen Spectrophotometric Method	SM 4500-NO ₂ ⁻ B
Water	Determination of Nitrate/Nitrate Nitrogen Spectrophotometric Method	TS 6231
Water	Determination of Oil and Grease	SM 5520 B
	Pre-treatment: Solvent Extraction Method Measurement: Gravimetric Method	
Water	Determination of Conductivity Electrometric Method	TS 9748 EN 27888
Water	Determination of Chloride Titrimetric Method	SM 4500-Cl ⁻ B
Water	Determination of Sulfate Spectrophotometric Method	SM 4500 SO ₄ ²⁻ E
Water	Determination of Hardness EDTA Titrimetric Method	SM 2340 C
Water	Determination of Chemical Oxygen Demand (COD) Open Reflux Method-Titrimetric Method	SM 5220 B
Water	Determination of Phosphate/Phosphate Phosphorus Spectrophotometric Method	SM 4500-P E
Water	Determination of Total Phosphorus	SM 4500-P B SM 4500-P E
	Pre-treatment: Extraction Method Measurement: Spectrophotometric Method	
Water	Determination of Total Kjeldahl Nitrogen Kjeldahl Method	AOAC 973.48
Water	Determination of Bromate, Bromide, Fluoride, Chlorate, Chlorite, Chloride, Nitrate, Nitrite, Orthophosphate and Sulfate IC Method	EPA 300.1
Water	Determination of Phenol	SM 5530 B SM 5530 D
	Pre-treatment: Distillation Method Measurement: Spectrophotometric Method	
Water	Determination of Free Cyanide Spectrophotometric Method	SM 4500-CN E



GIDA VE YEM KONTROLMERKEZ ARAŞTIRMA ENSTİTÜSÜ MÜDÜRLÜĞÜ

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Water	Determination of Total Cyanide Pre-treatment: Distillation Method Measurement: Spectrophotometric Method	SM 4500-CN C SM 4500-CN E
Waste water	Determination of Total Suspended Solid Gravimetric Method	TS EN 872
Waste water	Determination of pH Electrometric Method	TS EN ISO 10523
Waste water	Determination of Ammonia/Ammonia Nitrogen Pre-treatment: Distillation Method Measurement: Nesslerization Method	ASTM D1426 A
Waste water	Determination of Ammonia/Ammonia Nitrogen Pre-treatment: Distillation Method Measurement: Titrimetric Method	SM 4500-NH ₃ B SM 4500-NH ₃ C
Waste water	Determination of Nitrite/Nitrite Nitrogen Spectrophotometric Method	SM 4500-NO ₂ ⁻ B
Waste water	Determination of Nitrate/Nitrate Nitrogen Spectrophotometric Method	TS 6231
Waste water	Determination of Oil and Grease Pre-treatment: Solvent Extraction Method Measurement: Gravimetric Method	SM 5520 B
Waste water	Determination of Conductivity Electrometric Method	TS 9748 EN 27888
Waste water	Determination of Chloride Titrimetric Method	SM 4500-Cl ⁻ B
Waste water	Determination of Sulfate Spectrophotometric Method	SM 4500 SO ₄ ²⁻ E
Waste water	Determination of Chemical Oxygen Demand (COD) Open Reflux Method-Titrimetric Method	SM 5220 B
Waste water	Determination of Phosphate/Phosphate Phosphorus Spectrophotometric Method	SM 4500-P E
Waste water	Determination of Total Phosphorus Pre-treatment: Digestion Method Measurement: Spectrophotometric Method	SM 4500-P B SM 4500-P E
Waste water	Determination of Total Kjeldahl Nitrogen Kjeldahl Method	AOAC 973.48
Waste water	Determination of Phenol Pre-treatment: Distillation Method Measurement: Spectrophotometric Method	SM 5530 B SM 5530 D
Waste water	Determination of Free Cyanide Spectrophotometric Method	SM 4500-CN E
Waste water	Determination of Bromide, Fluoride, Chloride, Nitrate, Nitrite, Orthophosphate, and Sulfate IC Method	EPA 300.0
Waste water	Determination of Total Cyanide Pre-treatment: Distillation Method Measurement: Spectrophotometric Method	SM 4500-CN C SM 4500-CN E

