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Accreditation Scope

	<p>T.C. TARIM ve ORMAN BAKANLIĞI Gıda ve Yem Kontrol Merkez Araştırma Enstitüsü Müdürlüğü</p> <p>Accreditation Nr: AB-0030-T Revision Nr: 020 Date: 02.11.2021</p>		
<p>Test TS EN ISO/IEC 17025 AB-0030-T</p>	<p>As a Testing Laboratory</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none; vertical-align: top;"> <p>Address: Hürriyet Caddesi No: 126 PK 3 HÜRRİYET 16036 BURSA/TÜRKİYE</p> </td> <td style="width: 50%; border: none; vertical-align: top;"> <p>Phone : 0 224 246 47 21 Fax : 0 224 246 19 41 E-Mail : bursagida@bursagida.gov.tr Website : www.bursagida.gov.tr</p> </td> </tr> </table>	<p>Address: Hürriyet Caddesi No: 126 PK 3 HÜRRİYET 16036 BURSA/TÜRKİYE</p>	<p>Phone : 0 224 246 47 21 Fax : 0 224 246 19 41 E-Mail : bursagida@bursagida.gov.tr Website : www.bursagida.gov.tr</p>
<p>Address: Hürriyet Caddesi No: 126 PK 3 HÜRRİYET 16036 BURSA/TÜRKİYE</p>	<p>Phone : 0 224 246 47 21 Fax : 0 224 246 19 41 E-Mail : bursagida@bursagida.gov.tr Website : www.bursagida.gov.tr</p>		

Tested Materials / Products	Name of Test	Testing Method (National, International standards, in house methods)
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FOOD ADDITIVES AND RESIDUES DEPARTMENT

<p>Foods with High Water Content, and Foods with High Acid and High Water Content</p>	<p>Detection and Quantification Analysis of Selected Pesticides</p> <p>LC-MS/MS Method</p> <p>[Number of Selected Pesticides Analyzed is 223 - 2,4-D; Abamectin; Acetamiprid; Acrinathrin; Aldicarb; Aldicarb-sulfone; Aldicarb-sulfoxide; Ametoctradin; Amidosulfuron; Amitraz; Atrazine; Azimsulfuron; Aziprotryne; Azoxystrobin; Benalaxyl; Bendiocarb; Benfuracarb; Benomyl; Bensulfuron-methyl; Bentazone; Bitertanol; Boscalid; Bromacil; Bromoxynil; Bupirimate; Buprofezin; Butylate; Carbaryl; Carbendazim; Carbofuran; Carbosulfan; Carboxin; Carfentrazone-ethyl; Chlorantraniliprole; Chlorbromuron; Chlorfluazuron; Chloridazon; Chloroxuron; Chlorsulfuron; Clethodim; Clodinafop-propargyl ester; Clofentezine; Clomazone; Clothianidin; Cyanilide; Cycloate; Cymoxanil; Cyproconazole; Cyprodinil; Desmedipham; Diafenthiuron; Dichlorprop; Diethofencarb; Difenconazole; Diflubenzuron; Dimefox; Dimethenamid; Dimethomorph; Diniconazole; Dinocap; Dinoseb; Dioxacarb; Dioxathion; Diphenamid; Diphenylamine; Diuron; DNOC; Emamectin; Epoxiconazole; EPTC; Ethidimuron; Ethiofencarb; Ethirimol; Ethofumesate; Etofenprox; Etozazole; Famoxadone; Fenamidone; Fenazaquin; Fenbuconazole; Fenobucarb; Fenoxaprop-P-ethyl; Fenoxycarb; Fenpropidine; Fenpropimorph; Fenpyroximate; Fensulfothion; Florasulam; Fluazifop-P-butyl; Fluazinam; Fludioxonil; Flufenoxuron; Fluopicolide; Fluopyram; Fluquinconazole; Flurochloridone; Flusilazole; Flutolanil; Flutriafol; Foramsulfuron; Formetanate; Furalaxyl; Furathiocarb</p>	<p>AOAC 2007.01</p>
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 <p style="font-size: small; margin-top: 5px;">Test TS EN ISO/IEC 17025 AB-0030-T</p>	<p>T.C. TARIM ve ORMAN BAKANLIĞI Gıda ve Yem Kontrol Merkez Araştırma Enstitüsü Müdürlüğü</p> <p style="margin-top: 20px;">Accreditation Nr: AB-0030-T</p> <p>Revision Nr: 020 Date: 02.11.2021</p>
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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, continued)	Haloxyfop-2-etoxy ethyl; Haloxyfop-R-methyl; Hexaflumuron; Hexythiazox; Imazamox; Imazapyr; Imazethapyr; Imidacloprid; Indoxacarb; Iodosulfuron-methyl-sodium; Ioxynil; Iprovalicarb; Isofenphos; Isofenphos-methyl; Isoprocarb; Isoproturon; Isoxaflutole; Kresoxim-methyl; Lenacil; Lufenuron; Mandipropamid; Mecoprop; Mefenpyr-diethyl; Mepanipyrim; Mepronil; Mesosulfuron-methyl; Mesotrione; Metaflumizone; Metalaxyl; Metamitron; Metazachlor; Metconazole; Methiocarb; Methiocarb Sulfone; Methomyl; Methoxyfenozide; Metobromuron; Metolachlor; Metoxuron; Metribuzin; Metsulfuron-methyl; Monolinuron; Napropamide; Nicosulfuron; Novaluron; Nuarimol; Ofurace; Oxadiazone; Oxadixyl; Oxamyl; Oxycarboxin; Paclobutrazol; Penconazole; Pencycuron; Pentanochlor; Phenmedipham; Phosmet; Phoxim; Pirimicarb; Pirimicarb desmethyl; Primsulfuron-methyl; Prochloraz; Profenofos; Profoxydim-lithium; Promecarb; Prometryn; Propachlor; Propamocarb; Propaquizafop; Propargite; Propazine; Propham; Propiconazole; Propoxur; Propoxycarbazone sodium; Proquinazid; Prosulfuron; Prothioconazole; Pymetrozine; Pyraclostrobin; Pyraflufen-ethyl; Pyridafol; Pyridalyl; Pyridate; Pyrifenoxy; Pyrimethanil; Pyriproxyfen; Quinoxifen; Quizalofop-P-ethyl; Rabenzazole; Rimsulfuron; Sethoxydim; Simazine; Spinosad; Spirodiclofen; Spiroxamine; Sulfosulfuron; Tebuconazole; Tebufenozide; Tebufenpyrad; Teflubenzuron; Tepraloxym; Terbumeton; Terbutylazine; Thiabendazole; Thiacloprid; Thiamethoxam; Thifensulfuron-methyl; Thiodicarb; Thiophanate-methyl; Tralkoxydim; Triasulfuron; Tribenuron-methyl; Trichlorfon; Triflumizole; Triflumuron; Triticonazole; Vamidothion; Vernolate; Zoxamide]	AOAC 2007.01
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

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Tested Materials / Products	Name of Test	Testing Method (National, International standards, in house methods)
Water	<p>Determination of Organochlorine Pesticides</p> <p>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]</p> <p>Pre-treatment: Solvent extraction Measurement: GC-ECD Method</p>	In-house Method- "KKB-TL-18 Rev. No 05" (Modified from EPA 508)
Water	<p>Determination of Organophosphorus Pesticides</p> <p>Bromophos-Ethyl; Bromophos-Methyl; Cadusofos; Chlorpyrifos-ethyl; Chlorpyrifos-methyl; Demeton-S-methyl; Diazinon; Dicrotophos; Dimethoate; Ditalimfos; Ethion; Ethoprophos; Etrimfos; 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</p> <p>Pre-treatment: Solvent extraction Measurement: GC-FPD Method</p>	In-house Method- "KKB-TL-18 Rev. No 05" (Modified from EPA 507)
Water	<p>Determination of Acrylamide GC-ECD Method</p>	EPA 8032A

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Tested Materials / Products	Name of Test	Testing Method (National, International standards, in house methods)
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 177 - 2,4-DDD; 2,4-DDE; 2,4-DDT; 4,4-DDD; 4,4-DDE; 4,4-DDT; Acephate; Acetochlor; Acibenzolar-S-methyl; Aclonifen; Alachlor; Aldrin; Alpha-Endosulfan; Alpha-HCH; Anilofos; Azinphos-ethyl; Azinphos-methyl; Benfluralin; Beta-Endosulfan; Beta-HCH; Bifenazate; Bifenthrin; Bioresmethrin; Bromophos-ethyl; Bromophos-methyl; Bromopropylate; Bromuconazole; Cadusafos; Captan; Chlorfenapyr; Chlorfenson; Chlorfenvinphos; Chloroneb; Chlorothalonil; Chlorpropham; Chlorpyrifos-ethyl; Chlorpyrifos-methyl; Chlorthal-dimethyl; Chlozolinate; Coumaphos; Cyanazine; Cyfluthrin; Cyhalofop-butyl; Cypermethrin; Dazomet; Delta-HCH; Deltamethrin; Demeton-S-methyl; Demeton-S-methyl sulfone; Desmetryn; Dialifos; Diazinon; Dichlofluanid; Dichlorvos; Diclofop methyl; Dicloran; Dicofol; Dicrotophos; Dieldrin; Dimethachlor; Dimethipin; Dimethoate; Dinobuton; Disulfoton; Ditalimfos; DMST; Endosulfan sulfate; Endrin; EPN; Esfenvalerate; Ethalfluralin; Ethion; Ethoprophos; Etridiazole; Etrimfos; Fenamiphos; Fenamiphos sulfone; Fenarimol; Fenchlorphos; Fenhexamid; Fenitrothion; Fenpiclonil; Fenpropathrin; Fenson; Fenthion; Fenthion sulfone; Fenthion sulfoxide; Fenvalerate; Fipronil; Flucythrinate; Fluotrimazole; 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; Malaaxon; Malathion; Mecarbam; Mephosfolan; Merphos; Methacrifos; Methamidophos; Methidathion; Methoxychlor; Metrafenone; Mevinphos; Molinate; Monocrotophos; Myclobutanil; Naled; Nitrofen;	AOAC 2007.01

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Tested Materials / Products	Name of Test	Testing Method (National, International standards, in house methods)
(Fruits and vegetables with High Water and High Acid Content, continued)	Omethoate; Oxyfluorfen; Paraoxon ethyl; Paraoxon methyl; Parathion-ethyl; Parathion-methyl; Pebulate; Pendimethalin; Permethrin; Phenthoate; Phorate; Phosalone; Phosphamidon; Pirimiphos-ethyl; Pirimiphos-methyl; Procymidone; Propanil; Propyzamide; Prosulfurocarb; Prothiophos; Pyrazophos; Pyridaben; Pyridaphenthion; Quinalphos; Quinomethionate; Quintozene; Spiromesifen; Sulfotep; Sulprofos; Tau-Fluvalinate; Tecnazene; Terbacil; Terbufos; Terbufos-sulfone; Terbutryn; Tetrachlorvinphos; Tetraconazole; Tetradifon; Tetrasul; Thiobencarb; Thiometon; Tolclofos-methyl; Tolyfluamid; Triadimefon; Triadimenol; Tri-allate; Triazophos; Trifloxystrobin; Trifluralin; Vinclozolin]	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; Buprimate; Carbendazim; Carbofuran; Carboxin; Clothianidin; Desmedipham; Diethofencarb; Dimethanamide; Dimethomorph; Dioxacarb; Dioxathion; Ethidimuron; Ethiofencarb; Etoxazole; Fenamidone; Fenobucarb; Fensulfothion; Fipronil; Fipronil sulfone; Florasulam; Fluazifop-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; Pyrifeno; Pyriproxyfen; Terbumeton; Terbutylazine; Thiabendazole; Thiacloprid; Thiamethoxam; Triflumizole; Vamidothion]	AOAC 2007.01

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Tested Materials / Products	Name of Test	Testing Method (National, International standards, in house methods)
Foods with High Sugar and Low Water Content	<p>Detection and Quantification Analysis of Selected Pesticides</p> <p>LC-MS/MS Method [Number of Selected Pesticides Analyzed is 70- Acetamiprid; Azoxystrobin; Benalaxyl; Bendiocarb; Buprimate; Carbaryl; Carbendazim; Carbofuran; Carboxin; Clothianidin; Desmedipham; Diethofencarb; Dimethanamide; Dioxacarb; Dioxathion; Ethidimuron; Ethiofencarb; Etoxazole; Fenamidone; Fenzaquin; Fenobucarb; Fenpropimorph; Fenproximate; Fensulfothion; Florasulam; Fluazifop-p-butyl; Flufenoxuron; Fluopicolide; Fluquinconazole; Flusilazole; Furalaxyl; Isofenphos; Imidacloprid; Lenacil; Mepronil; Metaflumizone; Metalaxyl; Metazachlor; Metconazole; Methiocarb sulfon; Methoxyfenozide; Metobromuron; Metolachlor; Napropamide; Ofurace; Oxamyl; Oxycarboxin; Paclobutrazol; Pencycuron; Phenmedipham; Phoxim; Pirimicarb; Prochloraz; Promecarb; Propargite; Propazine; Propoxur; Pymetrozine; Pyrifenox; Pyriproxyfen; Rabenzazole; Spiroxamine; Terbumeton; Thiabendazole; Thiacloprid; Thiamethoxam; Tralkoxydim; Tribenuron-methyl; Triflumizole; Vamidothion]</p>	AOAC 2007.01

ADDITIVE AND MYCOTOXIN SUB DEPARTMENT

Food	Determination of Caffeine HPLC-UV/DAD Method	JAOAC Vol. 76 No 2
Food	Determination of Acesulfame K, Saccharin, Aspartame HPLC-UV/DAD Method	JAOAC Vol. 76 No 2
Food	Determination of Benzoic Acid and Sorbic Acid HPLC-UV/DAD Method	NMKL 124
Food	Analysis of Multiple Mycotoxin Aflatoxin (B ₁ ;B ₂ ;G ₁ ;G ₂ , Ochratoxin A) LC-MS/MS Method	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)
Fruit-Vegetables and Products	Analysis of Nitrate HPLC-UV/DAD Method	In-house Method- "KMB-TL-20 Rev. No:00" (Modified from TS EN 12014-2)
Hard Shell Dried Fruits and Products	Determination of Aflatoxin B ₁ and Total Aflatoxin (B ₁ +B ₂ +G ₁ +G ₂) HPLC-FLD Method	AOAC 991.31
Sugary Products	Determination of HMF HPLC-UV/DAD Method	JAOAC Vol.76 No 2
Milk; Milk powder	Determination of Aflatoxin M ₁ HPLC-FLD Method	In-house Method- "KMB-TL-25 Rev. No:00" (Modified from R-Biopharm Application Note; Ref No: A11-RP 71/70N.V3)
Dried Fruits	Determination of Ochratoxin A HPLC-FLD Method	In-house Method- "KMB-TL-22 Rev. No:00" (Modified from R-Biopharm Application Note Ref No: A8 -P14.V6)

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Tested Materials / Products	Name of Test	Testing Method (National, International standards, in house methods)
Cereals; Grain Containing Food and Feed	Determination of Deoxynivalenol (DON) HPLC-UV/DAD Method	In-house Method- "KMB-TL-26 Rev. No:00" (Modified from R-Biopharm Application Note; Ref No: RP50/V8/26.10.10)
	Determination of Zearelonone (ZON) HPLC-FLD Method	In-house Method-"KMB-TL-27 Rev. No:00" (Modified from R-Biopharm Application Note; Ref No: RP91/V12/26.10.10)
Coffee	Determination of Ochratoxin A HPLC-FLD Method	In-house Method-"KMB-TL-28 Rev. No:00" (R-Biopharm Okraprep Application Note; Ref No: A1-P14.V9)
Feed	Determination of Aflatoxin B ₁ and Total Aflatoxin (B ₁ +B ₂ +G ₁ +G ₂) 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 B ₁ and Total Aflatoxin (B ₁ +B ₂ +G ₁ +G ₂) 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 B ₁ and Total Aflatoxin (B ₁ +B ₂ +G ₁ +G ₂) 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)
Water	Determination of Polycyclic Aromatic Hydrocarbons (PAH) [Benzo (a) pyrene; Benzo (b) fluoranthene; Benzo (ghi) perylene; Benzo (k) fluoranthene; Indeno (1;2;3bcd) pyrene] Pre-Treatment: Liquid-Liquid Extraction Measurement: HPLC UV/FLD Method	In-house Method-" KMB-TL-02 Rev. No:00" (Modified from EPA 610)
Food and Feed (Cereal and Grain-based Food and Feed)	Analysis of Multiple Mycotoxin [Aflatoxin B ₁ ; B ₂ ; G ₁ ; G ₂ ; Ochratoxin A; Zearalenone; Deoxynivalenol; T-2 Toxin; HT-2 Toxin; Fumonisin (FB ₁ +FB ₂)] 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 B ₁ and Total Aflatoxin (B ₁ +B ₂ +G ₁ +G ₂) HPLC-FLD Method	TS EN 14123

PACKAGING TECHNOLOGIES AND MINERAL DEPARTMENT

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
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Tested Materials / Products	Name of Test	Testing Method (National, International standards, in house methods)
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)
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) Pre-treatment:Filtration Pre-treatment: Acidic Microwave Extraction Measurement: ICP-MS Method	TS EN ISO 15587-2 TS EN ISO 17294 (1/2)
Plastic Materials and Articles in Contact with Food	Total Migration Analysis- Determination of Substances Migration into Fatty Food Simulants (95% Ethanol; Isooctane; 50% Ethanol) - Article Filling Method	TS EN 1186-14
	Total Migration Analysis- Determination of Substances Migration into Fatty Food Simulants (95% Ethanol; Isooctane; 50% Ethanol) - Article Filling Method	TS EN 1186-14
	Total Migration Analysis- Determination of Substances Migration into Aqueous Food Simulants (Distilled Water; 3% Acetic Acid; 10% Ethanol; 20% Ethanol)- Article Filling Method	TS EN 1186-9
	Total Migration Analysis- Determination of Substances Migration into Aqueous Food Simulants (Distilled Water; 3% Acetic Acid; 10% Ethanol; 20% Ethanol)	TS EN 1186-3
	Structure Analysis	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)
Materials and Articles in Contact with Food	Specific Migration Analysis Determination of Phthalates in Fatty Foods (DIBP; BBP; DEHP; DBP; DNOP; DEP; DIDP; DINP) GC-MS Method	In-house Method-"ALB-TL-19 Rev. No:01" Modified from: (TS-EN 13130-1 -EUR 24387 EN 2010 -EUR 23972 EN 2009 -EUR 24105 EN-1st edition 2009 -EN 14372:2004)

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Tested Materials / Products	Name of Test	Testing Method (National, International standards, in house methods)
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VEGETAL PRODUCTS DEPARTMENT

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 Maltose 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)	AOAC 932.12
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 EN ISO 665 TS 1252 EN ISO 1666 Turkish Food Codex "Regulation on Sugar Analysis Methods for Sugars Intended for Human Consumption" Official Gazette No: 10.04.2002-24722
	Determination of Ash	TS EN ISO 2171
Vegetable Product	Determination of Starch	TS EN ISO 10520
Vegetable Product	Determination of Total Acid	TS 1125 ISO 750
	Determination of pH	TS 1728 ISO 1842
	Determination of Salt	AOAC 971.27
	Determination of Crude Protein Combustion method	AOAC 990.03

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Accreditation Scope

 <p style="font-size: small; text-align: center;">Test TS EN ISO/IEC 17025 AB-0030-T</p>	<p>T.C. TARIM ve ORMAN BAKANLIĞI Gıda ve Yem Kontrol Merkez Araştırma Enstitüsü Müdürlüğü</p> <p>Accreditation Nr: AB-0030-T Revision Nr: 020 Date: 02.11.2021</p>
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Tested Materials / Products	Name of Test	Testing Method (National, International standards, in house methods)
(Vegetable Product , continued)	Determination of Total Fat	TS EN ISO 659 TS 2664
	Carbohydrate Calculation Method	TS EN ISO 10520 AOAC 968.28
	Determination of Total Sugar; Invert Sugar; Sucrose Lane-Eynon Method	AOAC 968.28
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 980.13 AOAC 977.20

OILS AND FATS TECHNOLOGY SUB DEPARTMENT

Vegetable oils	Determination of Fatty Acid Composition (Arachidic acid (C _{20:0}); Behenic acid (C _{22:0}); Heptadecenoic acid (cis-10) (C _{17:1}); Gadoleic acid (C _{19:1}); Erucic acid (C _{22:1}); Margaric acid (C _{17:2}); Lauric asit (C _{12:0}); Lignoceric acid (C _{24:0}); Linoleic acid (C _{18:2}); Linolenic acid (C _{18:3}); Myristic acid (C _{14:0}); Oleic acid (C _{18:1}); Palmitic acid (C _{16:0}); Palmitoleic acid (C _{16:1}); Stearic acid (C _{18:0})) GC-FID Method	Com. Regulation (EC) No 796
	Determination of Peroxide Value	TS EN ISO 3960
	Determination of Refractive Index	TS EN ISO 6320
	Determination of Free Fatty Acidity	TS 894 TS EN ISO 660

FOOD AUTHENTICITY AND ALLERGEN SUB DEPARTMENT

Extra Virgin Olive Oil	Sensory Analysis	Turkish Food Codex 2014/53
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ANIMAL PRODUCTS DEPARTMENT

Cheese	Determination of Total Dry Matter	TS EN ISO 5534
	Determination of Salt Content Mohr Method	AOAC 983.14
	Determination of Fat Content Van Gulik Method	TS ISO 3433
	Determination of Acidity	TS 591
Yogurt	Determination of Fat	TS 1330
	Determination of Dry Matter	TS 1330

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 <p style="font-size: small; margin-top: 5px;">Test TS EN ISO/IEC 17025 AB-0030-T</p>	<p>T.C. TARIM ve ORMAN BAKANLIĞI Gıda ve Yem Kontrol Merkez Araştırma Enstitüsü Müdürlüğü</p> <p>Accreditation Nr: AB-0030-T Revision Nr: 020 Date: 02.11.2021</p>
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Tested Materials / Products	Name of Test	Testing Method (National, International standards, in house methods)
Milk, Ayran, Cream and Condensed Milk	Determination of Dry Matter	TS 1018
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)
	Determination of Milk Species (Searching for the Presence of "Cattle, Sheep, Goat" Milk) RealTime-PCR Method Pretreatment: DNA Extraction	Kit Method (SNPRTs-SG, KY, KÇ Milk Specimen Panel Kit Procedure) Kit Method (NucleoSpin Genomic DNA extraction kit procedure)
Milk and ayran	Determination of Acidity	TS 1018
	Determination of Fat	FAO Quality Control 8: 1986
Butter	Determination of Salt Content Mohr Method	AOAC 983.14
Milk and dairy products	Determination of Protein Kjeldahl Method	AOAC 991.20
Meat and meat products	Meat Species Determination ("Horse, Donkey; Pig; Chicken; Turkey; Beef; Sheep and Goat" Meat Search) Real Time PCR Method Pretreatment: DNA Extraction	Kit Method (SNPRT-A, D, E, H, T, KY, CT Speciation Panel Kit Procedure) Kit Method (NucleoSpin Genomic DNA extraction kit procedure)
	Meat Species Identification (Search for the "Soybean and Corn" Gene) Real Time PCR Method Pretreatment: DNA Extraction	Kit Method (SNPRT-SY,M Speciation Panel Kit Procedure) Kit Method (NucleoSpin Genomic DNA extraction kit procedure)
Seafood	Determination of Histamine HPLC-UV/DAD method	NMKL 196
Feed	Fish Species Identification (DNA Search for Bonito, Salmon, Sea Bass, Anchovy and Sea Bream) Real Time PCR Method Pretreatment: DNA extraction	Kit Method (SNP Biotechnology SNPRTB-S, SNPRTB-P, SNPRTB-H, SNPRTB-C, SNPRTB-L Kit Procedure) Kit method (nucleospin genomic DNA extraction kit procedure)

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 <p style="font-size: small; margin-top: 5px;">Test TS EN ISO/IEC 17025 AB-0030-T</p>	<p>T.C. TARIM ve ORMAN BAKANLIĞI Gıda ve Yem Kontrol Merkez Araştırma Enstitüsü Müdürlüğü</p> <p style="margin-top: 20px;">Accreditation Nr: AB-0030-T</p> <p>Revision Nr: 020 Date: 02.11.2021</p>
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Tested Materials / Products	Name of Test	Testing Method (National, International standards, in house methods)
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VETERINARY DRUG RESIDUES SUB DEPARTMENT

Feed and Feed Additives	<p>Analysis of Selected Veterinary Drug Residues- LC-MS/MS Method</p> <p>Amphenicols-3 pcs Chloramphenicol; Florfenicol; Thiamphenicol</p> <p>Anticoccidials -12 pcs Amprolium; Diclazuril; Halofuginone; Lasalocid; Maduramicin; Monensin; Narasin; Nicarbazin; Robenidine; Salinomycin; Toltrazuril, Decoquinate</p> <p>Diaminopyrimidines -1 pc Trimethoprim</p> <p>Quinolones -6 pcs Ciprofloxacin; Danofloxacin; Difloxacin; Enrofloxacin; Flumequin; Sarafloxacin</p> <p>Lincosamides -1 pc Lincomycin</p> <p>Macrolides-5 pcs Erythromycin; Spiramycin; Tilmicosin Tylosin; Tyvalosin</p> <p>Nitrofurans-2 pcs Furaltadone; Furazolidone</p> <p>Penicillins-6 pcs Amoxicillin; Ampicillin; Dicloxacillin; Nafcillin; Oxacillin; Penicillin G</p> <p>Pleuromutilins-1 pc Tiamulin</p> <p>Quinoxalines-2 pcs Carbadox; Olaquinox</p> <p>Streptogramins-1 pc Virginamycin</p> <p>Sulfanamides-10 pcs Sulfachloropyridazine; Sulfadiazine; Sulfadimethoxine; Sulfadoxine; Sulfamerazine; Sulfamethazine; Sulfamethoxazole; Sulfapyridine; Sulfaquinoxaline; Sulfathiazole</p> <p>Tetracyclines -4 pcs Chlortetracycline; Doxycycline; Oxytetracycline; Tetracycline</p>	<p>In house Method "VKB-TL-01 Rev. No:00" (Modified from: Analytica Chimica Acta 700 (2011) 26-33 and AOAC 997.04)</p>
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 <p style="font-size: small; text-align: center;">Test TS EN ISO/IEC 17025 AB-0030-T</p>	<p>T.C. TARIM ve ORMAN BAKANLIĞI Gıda ve Yem Kontrol Merkez Araştırma Enstitüsü Müdürlüğü</p> <p>Accreditation Nr: AB-0030-T Revision Nr: 020 Date: 02.11.2021</p>
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Tested Materials / Products	Name of Test	Testing Method (National, International standards, in house methods)
Milk	<p>Analysis of Selected Veterinary Drug Residues- LC-MS/MS Method</p> <p>Amphenicols -3 pcs Chloramphenicol; Florfenicol; Thiamphenicol</p> <p>Anthelmintics -3 pcs Levamisol; Thiabendazole 5 Hydroxy; Thiabendazole</p> <p>Quinolones -9 pcs Ciprofloxacin; Danofloxacin; Difloxacin; Enrofloxacin; Flumequin; Marbofloxacin; Nalidixic Acid; Oxolinic Acid; Sarafloxacin</p> <p>Macrolides -5 pcs Spiramycin; Tilmicosin; Neospiramycin; Tylosin; Erytromycin</p> <p>Nitrofurans -4 pcs Nitrofurantoin (AHD); Furaldaton (AMOZ); Furazolidon (AOZ); Nitrofurazon (SEM)</p> <p>Nitroimidazoles -7 pcs Dimetridazole; Ipronidazole Hydroxy; Ipronidazole; Metronidazole; Ronidazole; HMMNI; Metronidazole Hydroxy;</p> <p>Sulfanamides -10 pcs Sulfachloropyridazine; Sulfadiazine; Sulfadimethoxine; Sulfadoxine; Sulfamerazine; Sulfamethazine; Sulfamethoxazole; Sulfapyridine; Sulfaquinoxaline; Sulfathiazole</p> <p>Tetracyclines -7 pcs Chlortetracycline; Doxycycline; Oxytetracycline; Tetracycline; 4-epi-Tetracycline; 4-epi-Oxytetracycline; 4-epi-Chlortetracycline</p> <p>Linkozamid -1 pc Lincomycin</p> <p>Penicillin 4 pcs Dicloxacillin; Ampicillin; Cloxacillin; Oxacillin</p> <p>Beta-lactam -1 pc Cefquinome (CFQ)</p>	<p>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)</p>

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 <p style="font-size: small; text-align: center;">Test TS EN ISO/IEC 17025 AB-0030-T</p>	<p>T.C. TARIM ve ORMAN BAKANLIĞI Gıda ve Yem Kontrol Merkez Araştırma Enstitüsü Müdürlüğü</p> <p>Accreditation Nr: AB-0030-T Revision Nr: 020 Date: 02.11.2021</p>
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Tested Materials / Products	Name of Test	Testing Method (National, International standards, in house methods)
Drinking Water for animals	<p>Analysis of Selected Veterinary Drug Residues- LC-MS/MS Method</p> <p>Amphenicols -3 pcs Chloramphenicol; Florfenicol; Thiamphenicol</p> <p>Anticocccidials -11 pcs Amprolium; Diclazuril; Halofuginone; Lasalocid; Maduramicin; Monensin; Narasin; Nicarbazin; Robenidine; Salinomycin; Toltrazuril.</p> <p>Diaminopyrimidines -1 pc Trimethoprim</p> <p>Quinolones -6 pcs Ciprofloxacin; Danofloxacin; Difloxacin; Enrofloxacin; Flumequin; Sarafloxacin</p> <p>Lincosamides -1 pc Lincomycin</p> <p>Macrolides - 5 pcs Erythromycin; Spiramycin; Tilmicosin; Tylosin; Tylvalosin</p> <p>Nitrofurans -3 pcs Furaltadone; Furazolidone; Nitrofurantoin</p> <p>Penicillins -3 pcs Amoxicillin; Dicloxacillin; Penicillin G</p> <p>Pleuromutilins -1 pc Tiamulin</p> <p>Quinoxalines -2 pcs Carbadox; Olaquinox</p> <p>Streptogramins -1 pc Virginamycin</p> <p>Sulfanamides -10 pcs Sulfachloropyridazine; Sulfadiazine; Sulfadimethoxine; Sulfadoxine; Sulfamerazine; Sulfamethazine; Sulfamethoxazole; Sulfapyridine; Sulfaquinoxaline; Sulfathiazole</p> <p>Tetracyclines -4 pcs Chlortetracycline; Doxycycline; Oxytetracycline; Tetracycline</p>	<p>In House Method "VKB-TL-03 Rev. No:00" (Modified from: Analytica Chimica Acta 700 (2011) 26-33and AOAC 997.04 modified)</p>

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 <p style="font-size: small; text-align: center;">Test TS EN ISO/IEC 17025 AB-0030-T</p>	<p>T.C. TARIM ve ORMAN BAKANLIĞI Gıda ve Yem Kontrol Merkez Araştırma Enstitüsü Müdürlüğü</p> <p>Accreditation Nr: AB-0030-T</p> <p>Revision Nr: 020 Date: 02.11.2021</p>
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Tested Materials / Products	Name of Test	Testing Method (National, International standards, in house methods)
Meat	<p>Analysis of Selected Veterinary Drug Residues- LC-MS/MS Method</p> <p>Amphenicols -2 pcs Chloramphenicol; Florfenicol</p> <p>Anthelmintics -5 pcs Doramectin; Levamisole; Moxidectine; Thiabendazole-5-hydroxy; Thiabendazole</p> <p>Anticoccidials -6 pcs Lasolacid; Maduramicine; Monensin; Narasin; Nicarbazine; Toltrazuril</p> <p>Quinolones -9 pcs Ciprofloxacin; Danofloxacin; Difloxacin; Enrofloxacin; Flumequine; Marbofloxacin; Nalidixic Acid; Oxolinic Acid; Sarafloxacin</p> <p>Macrolides -2 pcs Spiramycin; Tilmicosin</p> <p>Nitroimidazoles -6 pcs Dimetridazole; Iprnidazole-hydroxy; Iprnidazole; Metronidazole; Metronidazole Hydroxy; Ronidazole</p> <p>NSAIDs -2 pcs Diclofenac; Meloxicam;</p> <p>Penicillins -6 pcs Amoxicillin; Ampicillin; Cephapirin; Dicloxacillin; Penicilline G; Nafcillin</p> <p>Sulfanamides -10 pcs Sulfachloropyridazine; Sulfadiazine; Sulfadimethoxine; Sulfadoxine; Sulfamerazine; Sulfamethazine; Sulfamethoxazole; Sulfaquinoxaline; Sulfapyridine; Sulfathiazole</p> <p>Tetracyclines -4 pcs Chlortetracycline; Doxycycline; Oxytetracycline; Tetracycline</p>	<p>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; 2-4 July 2012, Spain; 2008. and Agilent Bond Elut QuEChERS EN Kits by LC/MS/MS; 2012)</p>
	<p>Analysis of Selected Veterinary Drug Residues- LC-MS/MS Method</p> <p>A1-Stilbens -3 pcs Dienestrol; Diethylstilbestrol; Hexestrol</p> <p>A3-Steroids -3 pcs 17-alpha-Methyltestosterone; Melengestrol acetate; Trenbolone</p> <p>A4-Resorsilicic acid lactones-6 pcs Zearalanone; Zearalenone; Zeranol (Alfa Zearalanol); α-Zearalenol; β-Zearalanol (Taleranol); β-Zearalenol;</p> <p>A5-Betaagonists-4 pcs Cimbuterol; Clenbuterol; Mapenterol; Salbutamol</p>	<p>In House Method "VKB-TL-05 Rev. No:01" (Modified from: Journal of Chromatography B; 2013; 940; 15-23 and Multi-residue quantitaion 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)</p>

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 <p style="font-size: small; margin-top: 5px;">Test TS EN ISO/IEC 17025 AB-0030-T</p>	<p>T.C. TARIM ve ORMAN BAKANLIĞI Gıda ve Yem Kontrol Merkez Araştırma Enstitüsü Müdürlüğü</p> <p style="margin-top: 20px;">Accreditation Nr: AB-0030-T</p> <p>Revision Nr: 020 Date: 02.11.2021</p>
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Tested Materials / Products	Name of Test	Testing Method (National, International standards, in house methods)
Fish	Analysis of Selected Veterinary Drug Residues- LC-MS/MS Method A1-Stilbens - 3 pcs Dienestrol; Diethylstilbestrol; Hexestrol A3-Steroids -3 pcs 17-alpha-Methyltestosterone; Melengestrol acetate; Trenbolone A4-Resorsilic acid lactones -6 pcs Zearalanone; Zearalenone; 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 quantitaion 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 A1-Stilbens - 3 pcs Dienestrol; Diethylstilbestrol; Hexestrol A3-Steroids -3 pcs 17-alpha-Methyltestosterone; Melengestrol acetate; Trenbolone A4-Resorsilic acid lactones -6 pcs Zearalanone; Zearalenone; 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 quantitaion 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)

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 <p style="font-size: small; text-align: center;">Test TS EN ISO/IEC 17025 AB-0030-T</p>	<p>T.C. TARIM ve ORMAN BAKANLIĞI Gıda ve Yem Kontrol Merkez Araştırma Enstitüsü Müdürlüğü</p> <p>Accreditation Nr: AB-0030-T</p> <p>Revision Nr: 020 Date: 02.11.2021</p>
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Tested Materials / Products	Name of Test	Testing Method (National, International standards, in house methods)
(Poultry Muscle, continued)	<p>Analysis of Selected Veterinary Drug Residues- LC-MS/MS Method</p> <p>Amphenicols -3 pcs Chloramphenicol; Florfenicol; Thiamfenicol</p> <p>Anticoccidials- 7 pcs Amprolium; Decoquinat; Diclazuril; Halofuginone; Monensin; Robenidine; Toltrazuril Sulfone</p> <p>Avermectins-3 pcs Abamectin; Eprinomectin; Ivermectin</p> <p>Benzimidazoles-11 pcs Albendazole; Albendazole Sulfone; Albendazole Sulfoxide; Albendazole-2-aminosulfone; Cambendazole; Flubendazole; Ketotriclabendazole; Levamisol; Thiabendazole; Thiabendazole-5-Hydroxy; Triclabendazole</p> <p>Diaminopyrimidines- 1 pc Trimethoprim</p> <p>Quinolones - 9 pcs Ciprofloxacin; Danofloxacin; Difloxacin; Enrofloxacin; Flumequine; Marbofloxacin; Nalidixic Acid; Oxolinic Acid; Sarafloxacin</p> <p>Lincosamides - 1 pc Lincomycin</p> <p>Macrolides 6 pcs Erythromycin; Neospiramycin; Spiramycin; Tilmicosin; Tylosin; Tylvalosin;</p> <p>Nitroimidazoles - 4 pcs Iprnidazole Hydroxy; Metronidazole; Metronidazole Hydroxy; Ronidazole</p> <p>NSAIDs - 5 pcs Carprofen; Diclofenac; Flunixin; Meloxicam; Phenylbutazone</p> <p>Penicillins - 7 pcs Cephapirin; Cloxacillin; Dicloxacillin; Nafcillin; Oxacillin; Penicillin G (Benzylpenicillin); Phenoxymethyl Penicillin (Penicillin V)</p> <p>Quinolones - 1 pc 3-Methylquinoxaline-2-carboxylic acid (MQCA)</p> <p>Sulfanamides - 10 pcs Sulfachloropyridazine; Sulfadiazine; Sulfadimethoxine; Sulfadoxine; Sulfamerazine; Sulfamethazine; Sulfamethoxazole; Sulfapyridine; Sulfaquinoxaline; Sulfathiazole</p> <p>Tetracyclines 6 pcs Doxycycline; Epitetracycline; Oxytetracycline; Tetracycline; 4-epi-Chlortetracycline; 4-epi-Oxytetracycline</p>	<p>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)</p>

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 <p style="font-size: small; text-align: center;">Test TS EN ISO/IEC 17025 AB-0030-T</p>	<p>T.C. TARIM ve ORMAN BAKANLIĞI Gıda ve Yem Kontrol Merkez Araştırma Enstitüsü Müdürlüğü</p> <p>Accreditation Nr: AB-0030-T</p> <p>Revision Nr: 020 Date: 02.11.2021</p>
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Tested Materials / Products	Name of Test	Testing Method (National, International standards, in house methods)
Food (Milk Powder, Whey Powder)	Analysis of Selected Veterinary Drug Residues- LC-MS/MS Method Macrolides -6 pcs Erythromycin; Spiramycin; Neospiramycin; Tilmicosin; Tylosin; Tylvalosin Quinolones -9 pcs Ciprofloxacin; Danofloxacin; Difloxacin; Enrofloxacin; Flumequin; Sarafloxacin; Marbofloxacin; Nalidixic Acid; Oxolinic Acid Lincosamides -1 pc Lincomycin Sulfanamides -10 pcs Sulfachloropyridazine; Sulfadiazine; Sulfadimethoxine; Sulfadoxine; Sulfamerazine; Sulfamethazine; Sulfamethoxazole; Sulfapyridine; Sulfaquinoxaline; Sulfathiazole Diaminopyrimidines-1 pc Trimethoprim	In House Method "VKB-TL-10 Rev. No 00" (Modified from: Analytica Chimica Acta. 2015 Jun 23;880:103-21)

FEED AND FEEDSTUFFS DEPARTMENT

Feed and raw materials of feed	Determination of Crude fibre	AOCS Ba 6a-05
	Determination of Crude fat	AOCS Am 5-04
	Determination of Total fat	In-house Method -"YMB-TL-33 Rev. No:02" (Modified from: ANKOM Acid Hydrolysis Application Note)
	Determination of Total phosphorus	Regulation on Sampling and Analysis Methods for Official Control of Feeds, Official Gazette No. 29955
	Analysis of Water-soluble chlorides (NaCl)	Akyıldız, 1968. Feed Science Laboratory Manual, p. 133-134.
	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
	Determination of Fibre	AOAC 962.09
	Determination of Crude Ash	TS ISO 5984
	Analysis of Ash Insoluble in HCl	Regulation on Sampling and Analysis Methods for Official Control of Feeds, Official Gazette No. 29955
	Determination of Crude protein Combustion Method	AOAC 990.03

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Tested Materials / Products	Name of Test	Testing Method (National, International standards, in house methods)
(Feed and Raw Materials of Feed; Feed Additives, continued)	Determination of Dry Matter and Moisture	Regulation on Sampling and Analysis Methods for Official Control of Feeds, Official Gazette No. 29955
	Determination of Starch Polarimetric method	Regulation on Sampling and Analysis Methods for Official Control of Feeds, Official Gazette No. 29955
	Determination of Urea Spectrophotometric method	TS 10338
Cereal Grains Feed's Raw Material	Determination of Dry matter and moisture	TS EN ISO 712

MICROBIOLOGY DEPARTMENT

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
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 <i>Staphylococcus</i> 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
	<i>Listeria monocytogenes</i> Detection	AOAC 2013.11; bioMérieux VIDAS LMX 30 123
	<i>Salmonella</i> spp. Detection	AOAC 2013.01 bioMérieux VIDAS UP SPT 30 707
	<i>Salmonella</i> spp. Detection	TS EN ISO 6579-1
	Aerobic Colony Count Pour Plate Technique	ISO 4833-1
	<i>Escherichia coli</i> Count Colony Count technique	ISO 16649-2
	Coliform Bacteriae Count Colony Count technique	ISO 4832
	<i>Listeria monocytogenes</i> (<i>Listeria</i> spp.) detection	ISO 11290-1

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Tested Materials / Products	Name of Test	Testing Method (National, International standards, in house methods)
(Food, Feed, continued)	Yeast and Mould Count Colony Count Technique	ISO 21527-1 ISO 21527-2
	Coagulase Positive <i>Staphylococcus</i> 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
	<i>Clostridium perfringens</i> (<i>Clostridium</i> spp.) Count Colony Count Technique	TS EN ISO 7937
	<i>Vibrio</i> spp Detection; <i>Vibrio cholera</i> and <i>Vibrio parahaemolyticus</i> Detection	ISO/TS 21872-1
Raw Milks	Somatic Cell Count	ISO 13366-1
Food, Feed, Environmental Samples taken From Food Plants	<i>Enterobacteriaceae</i> Count	ISO 21528-1 ISO 21528-2
Food	<i>Bacillus cereus</i> Count Colony Count technique	TS EN ISO 7932
Food	<i>B.cereus</i> Count	AOAC 071401; bioMérieux TEMPO BC;80106
Water	Colony Count	TS EN ISO 6222
	Fecal Enterococcus Count	SM 9230 B
	<i>Escherichia coli</i> (<i>E.coli</i>) and <i>Coliform Bacteria</i> Count <i>Most Probable Number Technique</i>	ISO 9308-2
	Enterococcus Fecal Streptococcus Count	Enterolert-E, Quanti-Tray 2000, TS EN ISO 7899-1
	<i>Salmonella</i> Spp. Detection Membrane Filtration Method	ISO 19250
Food (except milk and dairy product)	B-Glucuronidase Positive <i>E. coli</i> Count	ISO16649-3
Food, Feed and Food Contact Surfaces	<i>E.coli</i> Count <i>Most Probable Number Technique</i>	ISO 7251

BIOTECHNOLOGY AND BIOSAFETY DEPARTMENT

Food, Feed and Seed	GMO Screening Analysis(p35S, tNOS, pFMV, bar) Real Time PCR Metodu Pre-treatment: DNA Extraction	Kit Method (Bioteccon Foodproof GMO Screening Kit) ISO 21569 ISO 24276 Kit Method (Eurofins GENESpin DNA Isolation Kit Manuel) ISO 21571
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Accreditation Scope

 <p style="font-size: small; margin-top: 5px;">Test TS EN ISO/IEC 17025 AB-0030-T</p>	<p>T.C. TARIM ve ORMAN BAKANLIĞI Gıda ve Yem Kontrol Merkez Araştırma Enstitüsü Müdürlüğü</p> <p>Accreditation Nr: AB-0030-T</p> <p>Revision Nr: 020 Date: 02.11.2021</p>
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Tested Materials / Products	Name of Test	Testing Method (National, International standards, in house methods)
(Food, Feed and Seed, continued)	Identification and Quantification Analysis of Maize Event GA21 Real Time PCR Metod Pre-treatment: DNA Extraction	EURL Method (QT-EVE-ZM-014) ISO 21570 ISO 24276 Kit Method (Eurofins GENESpin DNA Isolation Kit Manuel) ISO 21571
	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
	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
	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
	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
	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
	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

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Accreditation Scope

 <p style="font-size: small; margin-top: 5px;">Test TS EN ISO/IEC 17025 AB-0030-T</p>	<p>T.C. TARIM ve ORMAN BAKANLIĞI Gıda ve Yem Kontrol Merkez Araştırma Enstitüsü Müdürlüğü</p> <p>Accreditation Nr: AB-0030-T</p> <p>Revision Nr: 020 Date: 02.11.2021</p>
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Tested Materials / Products	Name of Test	Testing Method (National, International standards, in house methods)
(Food, Feed and Seed, continued)	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
	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)
	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)
	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
	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
	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
	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

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Accreditation Scope

 <p style="font-size: small; margin-top: 5px;">Test TS EN ISO/IEC 17025 AB-0030-T</p>	<p>T.C. TARIM ve ORMAN BAKANLIĞI Gıda ve Yem Kontrol Merkez Araştırma Enstitüsü Müdürlüğü</p> <p>Accreditation Nr: AB-0030-T</p> <p>Revision Nr: 020 Date: 02.11.2021</p>
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Tested Materials / Products	Name of Test	Testing Method (National, International standards, in house methods)
(Food, Feed and Seed, continued)	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
	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
	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
	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
	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
	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
	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

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Accreditation Scope

 <p style="font-size: small; margin-top: 5px;">Test TS EN ISO/IEC 17025 AB-0030-T</p>	<p>T.C. TARIM ve ORMAN BAKANLIĞI Gıda ve Yem Kontrol Merkez Araştırma Enstitüsü Müdürlüğü</p> <p>Accreditation Nr: AB-0030-T</p> <p>Revision Nr: 020 Date: 02.11.2021</p>
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Tested Materials / Products	Name of Test	Testing Method (National, International standards, in house methods)
(Food, Feed and Seed, continued)	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
	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
	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
	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
	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
	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
	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

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 <p style="font-size: small; margin-top: 5px;">Test TS EN ISO/IEC 17025 AB-0030-T</p>	<p>T.C. TARIM ve ORMAN BAKANLIĞI Gıda ve Yem Kontrol Merkez Araştırma Enstitüsü Müdürlüğü</p> <p>Accreditation Nr: AB-0030-T</p> <p>Revision Nr: 020 Date: 02.11.2021</p>
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Tested Materials / Products	Name of Test	Testing Method (National, International standards, in house methods)
(Food, Feed and Seed, continued)	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
	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
	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
	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
	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
	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
	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

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Accreditation Scope

 <p style="font-size: small; margin-top: 5px;">Test TS EN ISO/IEC 17025 AB-0030-T</p>	<p>T.C. TARIM ve ORMAN BAKANLIĞI Gıda ve Yem Kontrol Merkez Araştırma Enstitüsü Müdürlüğü</p> <p>Accreditation Nr: AB-0030-T</p> <p>Revision Nr: 020 Date: 02.11.2021</p>
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Tested Materials / Products	Name of Test	Testing Method (National, International standards, in house methods)
(Food, Feed and Seed, continued)	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
	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
	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
	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
	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
	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
	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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Accreditation Scope

 <p style="font-size: small; margin-top: 5px;">Test TS EN ISO/IEC 17025 AB-0030-T</p>	<p>T.C. TARIM ve ORMAN BAKANLIĞI Gıda ve Yem Kontrol Merkez Araştırma Enstitüsü Müdürlüğü</p> <p>Accreditation Nr: AB-0030-T</p> <p>Revision Nr: 020 Date: 02.11.2021</p>
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Tested Materials / Products	Name of Test	Testing Method (National, International standards, in house methods)
(Food, Feed and Seed, continued)	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
	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
	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
	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
	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
	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
	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

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Accreditation Scope

 <p style="font-size: small; text-align: center;">Test TS EN ISO/IEC 17025 AB-0030-T</p>	<p>T.C. TARIM ve ORMAN BAKANLIĞI Gıda ve Yem Kontrol Merkez Araştırma Enstitüsü Müdürlüğü</p> <p>Accreditation Nr: AB-0030-T</p> <p>Revision Nr: 020 Date: 02.11.2021</p>
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Tested Materials / Products	Name of Test	Testing Method (National, International standards, in house methods)
(Food, Feed and Seed, continued)	Identification and Quantification Analysis of Cotton Event GHB119 Real Time PCR Method Pre-treatment: DNA Extraction	EURL Method (QT-EVE-GH-008) ISO 21570 ISO 24276 Kit Method (Eurofins GENESpin DNA Isolation Kit Manuel) ISO 21571
	Identification and Quantification Analysis of Maize Event MON87427 Real Time PCR Method Pre-treatment: DNA Extraction	EURL Method (QT-EVE-ZM-003) ISO 21570 ISO 24276 Kit Method (Eurofins GENESpin DNA Isolation Kit Manuel) ISO 21571
	Identification and Quantification Analysis of Soybean Event DAS-44406-6 Real Time PCR Method Pre-treatment: DNA Extraction	EURL Method (QT-EVE-GM-015) ISO 21570 ISO 24276 Kit Method (Eurofins GENESpin DNA Isolation Kit Manuel) ISO 21571
	Identification and Quantification Analysis of Soybean Event DAS-68416-4 Real Time PCR Method Pre-treatment: DNA Extraction	EURL Method (QT-EVE-GM-013) ISO 21570 ISO 24276 Kit Method (Eurofins GENESpin DNA Isolation Kit Manuel) ISO 21571
	Identification and Quantification Analysis of Soybean Event DAS-81419-2 Real Time PCR Method Pre-treatment: DNA Extraction	EURL Method (QT-EVE-GM-014) ISO 21570 ISO 24276 Kit Method (Eurofins GENESpin DNA Isolation Kit Manuel) ISO 21571
	Identification and Quantification Analysis of 4114 Maize Event 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
	Identification and Quantification Analysis of 4114 Maize Event 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

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Accreditation Scope

 <p style="font-size: small; margin-top: 5px;">Test TS EN ISO/IEC 17025 AB-0030-T</p>	<p>T.C. TARIM ve ORMAN BAKANLIĞI Gıda ve Yem Kontrol Merkez Araştırma Enstitüsü Müdürlüğü</p> <p>Accreditation Nr: AB-0030-T</p> <p>Revision Nr: 020 Date: 02.11.2021</p>
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Tested Materials / Products	Name of Test	Testing Method (National, International standards, in house methods)
(Food, Feed and Seed, continued)	Identification and Quantification Analysis of MON 87411 Maize GDO T Event 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
	Identification and Quantification Analysis of MON 87403 Maize GDO T Event 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
	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
	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
	Identification and Quantification Analysis of MON 87751 Soybean GDO Event 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

WATER AND WASTE WATER SUB DEPARTMENT

Water	Determination of Total Suspended Solid Gravimetric Method	TS EN 872
	Determination of pH Electrometric Method	TS EN ISO 10523
	Determination of Color Spectrophotometric Method	SM 2120 C

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Accreditation Scope

 <p style="font-size: small; margin-top: 5px;">Test TS EN ISO/IEC 17025 AB-0030-T</p>	<p>T.C. TARIM ve ORMAN BAKANLIĞI Gıda ve Yem Kontrol Merkez Araştırma Enstitüsü Müdürlüğü</p> <p style="margin-top: 20px;">Accreditation Nr: AB-0030-T</p> <p>Revision Nr: 020 Date: 02.11.2021</p>
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Tested Materials / Products	Name of Test	Testing Method (National, International standards, in house methods)
(Water, continued)	Determination of Ammonia/Ammonia Nitrogen Spectrophotometric Method	ASTM D 1426 A
	Pre-treatment: Distillation Method Measurement: Nesslerization Method	
	Determination of Nitrite/Nitrite Nitrogen Spectrophotometric Method	SM 4500-NO ₂ - B
	Determination of Nitrate/Nitrate Nitrogen Spectrophotometric Method	TS 6231
	Determination of Oil and Grease	SM 5520 B
	Pre-treatment: Solvent Extraction Method Measurement: Gravimetric Method	
	Determination of Conductivity Electrometric Method	TS 9748 EN 27888
	Determination of Chloride Titrimetric Method	SM 4500-Cl ⁻ B
	Determination of Sulfate Spectrophotometric Method	SM 4500 SO ₄ ⁻² E
	Determination of Hardness EDTA Titrimetric Method	SM 2340 C
	Determination of Chemical Oxygen Demand (COD) Open Reflux Method-Titrimetric Method	SM 5220 B
	Determination of Phosphate/Phosphate Phosphorus Spectrophotometric Method	SM 4500-P E
	Determination of Total Phosphorus	SM 4500-P B SM 4500-P E
	Pre-treatment: Extraction Method Measurement: Spectrophotometric Method	
	Determination of Total Kjeldahl Nitrogen Kjeldahl Method	AOAC 973.48
	Determination of Bromate, Bromide, Fluoride, Chlorate, Chlorite, Chloride, Nitrate, Nitrite, Orthophosphate and Sulfate	EPA 300.1
	IC Method	
	Determination of Phenol	SM 5530 B SM 5530 D
Pre-treatment: Distillation Method Measurement: Spectrophotometric Method		
Determination of Free Cyanide Spectrophotometric Method	SM 4500-CN E	
Determination of Total Cyanide	SM 4500-CN C SM 4500-CN E	
Pre-treatment: Distillation Method Measurement: Spectrophotometric Method		

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Accreditation Scope

 <p style="font-size: small; margin-top: 5px;">Test TS EN ISO/IEC 17025 AB-0030-T</p>	<p>T.C. TARIM ve ORMAN BAKANLIĞI Gıda ve Yem Kontrol Merkez Araştırma Enstitüsü Müdürlüğü</p> <p>Accreditation Nr: AB-0030-T</p> <p>Revision Nr: 020 Date: 02.11.2021</p>
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Tested Materials / Products	Name of Test	Testing Method (National, International standards, in house methods)
Waste Water	Determination of Total Suspended Solid Gravimetric Method	TS EN 872
	Determination of pH Electrometric Method	TS EN ISO 10523
	Determination of Ammonia/Ammonia Nitrogen Pre-treatment: Distillation Method Measurement: Nesslerization Method	ASTM D 1426 A
	Determination of Ammonia/Ammonia Nitrogen Pre-treatment: Distillation Method Measurement: Titrimetric Method	SM 4500 NH ₃ B SM 4500 NH ₃ C
	Determination of Nitrite/Nitrite Nitrogen Spectrophotometric Method	SM 4500-NO ₂ ⁻ B
	Determination of Nitrate/Nitrate Nitrogen Spectrophotometric Method	TS 6231
	Determination of Oil and Grease Pre-treatment: Solvent Extraction Method Measurement: Gravimetric Method	SM 5520 B
	Determination of Conductivity Electrometric Method	TS 9748 EN 27888
	Determination of Chloride Titrimetric Method	SM 4500-Cl ⁻ B
	Determination of Sulfate Spectrophotometric Method	SM 4500 SO ₄ ⁻² E
	Determination of Chemical Oxygen Demand (COD) Open Reflux Method-Titrimetric Method	SM 5220 B
	Determination of Phosphate/Phosphate Phosphorus Spectrophotometric Method	SM 4500-P E
	Determination of Total Phosphorus Pre-treatment: Digestion Method Measurement: Spectrophotometric Method	SM 4500-P B SM 4500-P E
	Determination of Total Kjeldahl Nitrogen Kjeldahl Method	AOAC 973.48
	Determination of Phenol Pre-treatment: Distillation Method Measurement: Spectrophotometric Method	SM 5530 B SM 5530 D
	Determination of Free Cyanide Spectrophotometric Method	SM 4500-CN E
	Determination of Bromide, Fluoride, Chloride, Nitrate, Nitrite, Orthophosphate, and Sulfate IC Method	EPA 300.0

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 <p>TÜRKAK Test TS EN ISO/IEC 17025 AB-0030-T</p>	<p>T.C. TARIM ve ORMAN BAKANLIĞI Gıda ve Yem Kontrol Merkez Araştırma Enstitüsü Müdürlüğü</p> <p>Accreditation Nr: AB-0030-T Revision Nr: 020 Date: 02.11.2021</p>
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Tested Materials / Products	Name of Test	Testing Method (National, International standards, in house methods)
(Waste Water, continued)	Determination of Total Cyanide Pre-treatment: Distillation Method Measurement: Spectrophotometric Method	SM 4500-CN C SM 4500-CN E

DAIRY PRODUCTS GEN BANK DEPARTMENT

Lactic acid bacteria	Sequencing 16S Gene Ribo Printer Method Pre-treatment: EcoRI enzyme treatment	Kit Metho (Riboprinter kit procedure) Kit Metho :(EcoRI enzyme kit)
Lactic acid bacteria	Sequencing 16S 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 Bakteriye DNA extraction kit) Kit Method (iQuant kit procedure)
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 Bakteriye DNA extraction kit) Kit Method (iQuant kit procedure)
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 Bakteriye 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
Yogurt and cheese	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

End of Scope

G. Banu MÜDERRİSOĞLU
Secretary General