TÜRKİYE CUMHURİYETİ

HELAL AKREDİTASYON KURUMU

HELAL AKREDİTASYON SERTİFİKASI

Helal Uygunluk Alanında Deney Yapan

T.C. TARIM VE ORMAN BAKANLIĞI GIDA VE YEM KONTROL MERKEZ ARAŞTIRMA ENSTİTÜSÜ MÜDÜRLÜĞÜ

Adres : Adalet Mahallesi 1.Hürriyet Caddesi No:128 Osmangazi/Bursa

OIC/SMIIC 35:2020 standardı çerçevesinde ekte gösterilen kapsamlar için akredite edilmiştir.

Helal Akreditasyon Numarası

2023-031

Helal Akreditasyon Kapsamı

Ekte belirtilmiştir

İlk Helal Akreditasyon Tarihi

02.06.2023

Revizyon Tarihi

10.08.2026

Helal Akreditasyon Bitiş Tarihi

02.06.2028

Bu sertifika; OIC/SMIIC 35:2020 standardına, ulusal mevzuata ve Helal Akreditasyon Kurumu kurallarına uyulduğu takdirde akredite olunan kapsam için belirtilen süreye kadar geçerlidir.

Zafer SOYLU

Yönetim Kurulu Başkanı

REPUBLIC OF TÜRKİYE

HALAL ACCREDITATION AGENCY

ANNEX

HALAL ACCREDITATION SCOPE

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 174 2-Phenylphenol (Ortho phenylphenol); 2,4-DDD; 2,4-DDE; DDT (the sum of p,p'-DDT, o,p'-DDT, p-p'-DDE and p,p'-TDE (DDD) in DDT); Acephate; Acetochlor; Acibenzolar-S-methyl; Aclonifen; Alachlor; Aldrin and Dieldrin (combination of Aldrin and Dieldrin, calc. as Dieldrin); Bifenthrin (sum of isomers); HCH- alpha (Hexachlorocyclohexane-alpha); Anilofos; Azinphos-ethyl; Azinphos-methyl; Benfluralin; HCH-beta (Hexachlorocyclohexane-beta); Bifenazate; Bifenthrin; Bioresmethrin; Biphenyl; Bromophos-ethyl; Bromophos (Bromophos-methyl); Bromopropylate; Bromuconazole; Cadusafos; Captan (the sum of Captan and THPI, calc. as Captan); Chlorbufam; Chlordane (the sum of cis- ve trans-chlordane isomers); Chlorfenapyr; Chlorfenson; Chlorfenvinphos; Chloroneb; Chlorothalonil; Chlorpropham; Chlorpyrifos; Chlorpyrifos-methyl; Chlorthal-dimethyl; Chlozolinate; Coumaphos; Cyanazine; Cyfluthrin (the sum of Cyfluthrin isomers including other compound isomer mixtures); Cyhalofop-butyl; Cypermethrin (the sum of Cypermethrin isomers including other compound isomer mixtures); Dazomet; HCH-delta (Hexachlorocyclohexane-delta); Deltamethrin (cis-deltamethrin); Demeton-S-methyl; Demeton- S- methyl sulfone; Desmetryn; Dialifos (Dialifor); Diazinon; Dichlofluanid; Dichlorvos; Diclofopmethyl; Dicloran; Dicofol; Dicrotophos; Dimethachlor; Dimethipin; Dimethoate; Dinobuton; Disulfoton; Ditalimfos; Endosulfan (the sum of alpha and beta- endosulfan and Endosulfan sulphate , calc. as Endosulfan); Endrin; EPN; Ethofumesate 2-keto (2,3-dihydro-3,3- dimethyl-2-oxo-benzofuran-5-yl methanesulphonate); Fenvalerate (each ratio of the respective isomers (RR, SS, RS and SR) including Esfenvalerate); Ethalfluralin; Ethion; Ethoprophos; Etridiazole; Etrimfos; Fenamiphos; Fenamiphos sulfone; Fenarimol; Fenchlorphos; Fenhexamid; Fenitrothion; Fenpiclonil; Fenpropathrin;	AOAC 2007.01

Tested Materials / Products	Name of Test	Testing Method (National, International Standards, In-house Methods)
	Fenson; Fenthion; Fenthion sulfone; Fenthion sulfoxide; Fipronil; Flucythrinate (the sum of isomers including other mixtures of Flucythrinate isomer compounds); Fluvalinate (the sum of isomers, resulting from the use of tau-fluvalinate); Fluotrimazole; Folpet (the sum of Folpet and Phtalimide , calc. as Folpet); Fonofos; Formothion; Fosthiazate; Fuberidazole; Gamma cyhalothrin; Heptachlor (the sum of Heptachlor and Heptachlor epoxide, calc. as Heptachlor); Heptenophos; Hexachlorobenzene (HCB); Hexaconazole; Imazalil; Iodofenphos (Jodfenphos); Iprodione; Isazofos; Isodrin; Lambda- cyhalothrin (the sum of R,S and S,R isomers including gamma-cyhalothrin); Lindane (gamma-isomer of Hexachlorocyclohexane (HCH)); Leptophos; Linuron; Malathion (the sum of Malathion and Malaoxon ; calc. as Malathion); Mecarbam; Mephosfolan; Merphos; Methacrifos; Methamidophos; Methidathion; Methoxychlor; Metrafenone; Mevinphos; Molinate; Monocrotophos; Myclobutanil; Naled; Nitrofen; Omethoate; Oxyfluorfen; Paraoxon- ethyl (Paraoxon); Parathion-ethyl (Parathion); Parathion-methyl (the sum of Parathion- methyl and Paraoxon-methyl, calc. as Parathion-methyl); Pebulate (Pebulat); Pendimethalin; Pentachloroaniline; Permethrin (sum of isomers); Phenthoate; Phorate; Phosalone; Phosphamidon; Pirimiphos-ethyl; Pirimiphos-methyl; Procymidone; Propanil; Propyzamide; Prosulfocarb; Prothiophos; Pyrazophos; Pyridaben; Pyridaphenthion; Quinalphos; Chinomethionat (aka quinomethionate); Quintozene (PCNB) (the sum of Quintozene and Pentachloro aniline ; calc.as Quintozene); Spiromesifen; Sulfotep; Sulprofos (Bolstar); Tecnazene; Tefluthrin; Terbacil; Terbufos; Terbufos-sulfone; Terbutryn; Tetrachlorvinphos; Tetraconazole; Tetradifon; Tetrasul; Thiobencarb (Benthiocarb); Thiometon; Tolclofos- methyl; Tolylfluanid (the sum of tolylfluanid and dimethylaminosulfotoluidide, calc.as tolylfluanid); Triadimefon; Triadimenol; Tri-allate; Triazophos; Trifloxystrobin; Trifluralin; Vinclozolin]	
Foods with High Sugar and Low Water Content	Detection and Quantification Analysis of Selected Pesticides LC-MS/MS Method	AOAC 2007.01

Tested Materials / Products	Name of Test	Testing Method (National, International Standards, In-house Methods)
	[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; Fenazaquin; 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]	
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; Pyrifenox; Pyriproxyfen; Terbumeton; Terbuthylazine; Thiabendazole; Thiacloprid;	AOAC 2007.01

Tested Materials / Products	Name of Test	Testing Method (National, International Standards, In-house Methods)
	Thiamethoxam; Triflumizole; Vamidothion]	
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 405 2,4 DNOP (Meptyldinocap-phenol); 2,4 DNOPC (Meptyldinocap); 2,4,6-Trichlorophenol; 2,4-DB; 2,4-D (2,4-Dichlorophenoxyacetic acid); 2- Hydroxy-propoxycarbazone; 4,6-dihydroxy tembotrione; 6-Benzyladenine; 8-hydroxyquinoline (Quinolinol); Abamectin (the sum of Avermectin (B1a)- Avermectin (B1b)mix); Acephate; Acequinocyl; Acetamiprid; Acibenzolar acid (CGA 210007); Acrinathrin; Aldicarb (the sum of Aldicarb sulfoxide and Aldicarb sulfone, calc. as Aldicarb); Ametoctradin; Amidosulfuron; Aminopyralid; Amitraz (including its metabolites containing the 2,4-dimethylaniline group, in terms of Amitraz); Anilofos; Atrazine; Azadirachtin; Azimsulfuron; Azinphos methyl; Aziprotryne; Azoxystrobin; Benalaxyl; Bendiocarb; Bensulfuron-methyl; Bentazone; Bentazone-6-hydroxy; Bentazone-8-hydroxy; Benzobicyclon; Bicyclopyrone metabolite (CSCD686480); Bicyclopyrone metabolite (SYN503780); Bifenazate (sum of bifenazate plus bifenazate-diazene expressed as bifenazate); Bispyribac sodium; Bitertanol; Bixafen; Boscalid; Bromacil; Bromoxynil; Bromuconazole; Bupirimate; Buprofezin; Butralin; Butylate; Cadusafos; Carbaryl; Carbendazim and Benomyl (the sum of Benomyl and Carbendazim, calc. as Carbendazim); Carbofuran (all Carbofuran produced from Carbosulfan, Benfuracarb or Furathiocarb and the sum of 3-OH Carbofuran in terms of Carbofuran); Carboxin (sum of carboxin and its metabolites carboxin sulfoxide and oxycarboxin (carboxin sulfone), calc. as carboxin); Carfentrazone-ethyl; Chlorantraniliprole; Chlorbromuron; Chlorfenvinphos; Chlorfluazuron; Chlorfluazuron; Chloridazon (the sum of Chloridazon and Chloridazon-desphenyl, calc. as Chloridazon); Chlorotoluron; Chloroxuron; Chlorpyrifos; Chlorsulfuron; Clethodim (Total of Sethoxydim and Clethodim, including cleavage products	AOAC 2007.01

Tested Materials / Products	Name of Test	Testing Method (National, International Standards, In-house Methods)
	calc. as Sethoxydim); Clodinafop (free acid); Clodinafop-propargyl; Clofentezine; Clomazone; Clothianidin; Coumaphos; Cyanazine; Cyazofamid; Cycanilide; Cycloate; Cycloxydim; Cyflufenamid; Cyflumetofen; Cymoxanil; Cyproconazole; Cyprodinil; Cyromazine; Deltamethrin (cis-deltamethrin); Demeton S methyl; Demeton S methyl sulfone; Desmedipham; Diafenthiuron; Diazinon; Dicamba; Dichlorprop; Dichlorprop-P; Dichlorvos; Dicrotophos; Diethofencarb; Difenoconazole; Diflubenzuron; Diflufenican; Dimefox; Dimethachlor; Dimethenamide (sum of isomers containing other mixtures of component isomers including dimethenamide-P); Dimethoate; Dimethomorph (sum of isomers); Diniconazole (sum of isomers); Dinocap; Dinoseb; Dioxacarb; Dioxathion; Diphenamid; Diphenylamine; Disulfoton (the sum of Disulfoton, Disulfoton sulfoxide and Disulfoton sulfone; calc. as Disulfoton); Ditalimfos; Dithianon; Diuron; DNOC; Dodine; Emamectin benzoate B1a (in terms of Emamectin); Epoxiconazole; EPTC (ethyl dipropylthiocarbamate); Ethametsulfuron methyl; Ethidimuron; Ethiofencarb; Ethion; Ethirimol; Ethofumesate (the sum of Ethofumesate and metabolite 2,3-dihydro-3,3- dimethyl-2-oxo-benzofuran-5-yl methanesulphonate); Ethoprophos; Ethoxyquin; Ethoxysulfuron; Etofenprox; Etoxazole; Etrimfos; Famoxadone; Fenamidone; Fenamiphos; Fenamiphos sulfone; Fenamiphos sulfoxide; Fenazaquin; Fenbuconazole (component isomers); Fenhexamid; Fenobucarb; Fenoxaprop-P; Fenoxaprop-P-ethyl; Fenoxycarb; Fenpropathrin; Fenpropidin; Fenpropimorph (sum of isomers); Fenpyrazamine; Fenpyroximate; Fensulfothion; Fenthion; Fenthion oxon; Fenthion oxon sulfoxide; Fenthion sulfoxide; Fentin acetate; Fipronil (the sum of fipronil and sulfone metabolite (MB46136); calc. As Fipronil); Flazasulfuron; Flonicamid; Florasulam; Florpyrauxifen benzyl; Fluazifop-P; Fluazifop-P-butyl; Fluazinam; Flubendiamide; Flucarbazone sodium; Fludioxonil; Flufenacet; Flufenacet ethane sulfonic acid (ESA) sodium salt; Flufenoxuron; Flufenzin; Fluometuron; Fluopicolide; Fluopyram; Fluoxastrobin (Fluoxastrobin ve Z-izomer toplamı);	

Tested Materials / Products	Name of Test	Testing Method (National, International Standards, In-house Methods)
	Flupyradifurone; Fluquinconazole; Flurochloridone (sum of cis- and trans-isomers); Fluroxypyr; Fluroxypyr-1-methylheptyl ester; Fluroxypyr-2-methoxy; Flusilazole; Fluthiacet methyl; Flutolanil; Flutriafol; Fluxapyroxad; Fomesafen; Fonofos; Foramsulfuron; Forchlorfenuron; Formetanate; Fosthiazate; Fuberidazole; Furalaxyl; Halauxifen methyl (halauxifen methyl ve X11393729 (halauxifen) toplamı, halauxifen-methyl cinsinden); Halosulfuron methyl; Haloxyfop; Haloxyfop (free acid); Haloxyfop-2-etoxy ethyl; Haloxyfop-R-methyl; Heptenophos; Hexaconazole; Hexaflumuron; Hexythiazox; Hymexazol; IM-2- 1(Acetamiprid-N-desmethyl); Imazalil; Imazamox; Imazapic; Imazapyr; Imazethapyr; Imidacloprid; Indaziflam; Indole 3-butyric acid; Indoxacarb; Iodosulfuron methyl; Iodosulfuron-methyl-sodium; Ioxynil; Ipconazole; Iprodione; Iprovalicarb; Isazofos; Isocarbophos; Isofenphos; Isofenphos-methyl; Isoprocarb; Isoproturon; Isopyrazam; Isoxaben; Isoxaflutole; Kresoxim-methyl; Lenacil; Linuron; Lufenuron (Any ratio of component isomers); Malathion (the sum ofMalathion and Malaoxon; calc. as Malathion); Mandipropamid (any ratio of component isomers); MCPA; MCPB; Mecarbam; Mecoprop (the sum of Mecoprop-P and Mecoprop ; calc. as Mecoprop); Mefenpyr-diethyl; Mefentrifluconazole; Mepanipyrim; Mepronil; Mesosulfuron methyl; Mesotrione; Metaflumizone; Metalaxyl and Metalaxyl-M (the sum of Metalaxyl isomers along with other compound isomer mixtures including Metalaxyl-M); Metamitron; Metazachlor; Metazachlor 479M08; Metconazole (sum of isomers); Methamidophos; Methidathion; Methiocarb (Methiocarb and the sum of Methiocarb sulfoxide and sulfone; calc. as in Methiocarb); Methomyl; Methoprene; Methoxyfenozide; Metobromuron; Metolachlor and S-Metolachlor (sum of isomers including S-metolachlor and related other components); Metolachlor-S; Metosulam; Metoxuron; Metrafenone; Metribuzin; Metsulfuron-methyl; Mevinphos; Monocrotophos; Monolinuron; Myclobutanil; Napropamide (sum of isomers); Nicosulfuron; Norflurazon; Novaluron; Nuarimol; Ofurace; Orthosulfamuron; Oxadiazon; Oxadixyl; Oxamyl; Paclobutrazol (sum of component	

Tested Materials / Products	Name of Test	Testing Method (National, International Standards, In-house Methods)
	isomers); Penconazole (sum of component isomers); Paraoxon ethyl; Parathion methyl (the sum of Parathion methyl and Paraoxon methyl, calc. as Parathion methyl); Penconazole; Pencycuron (the sum of pencycuron and pencycuron-PB-amine, calc. as pencycuron); Pendimethalin; Penflufen; Penoxsulam; Pentanochlor; Penthiopyrad; Phenmedipham; Phenthoate; Phorate sulfone; Phosalone; Phosmet; Phosmet oxon; Phosphamidon; Phoxim; Picloram; Picoxystrobin; Pinoxaden; Pirimicarb (the sum of Pirimicarb and desmethyl pirimicarb; calc. as Pirimicarb); Pirimiphos ethyl; Pirimiphos methyl; Primisulfuron- methyl; Prochloraz; Prochloraz desimidazole-amino; Profenofos;Profoxydim-lithium; Promecarb; Prometryn; Propachlor; Propamocarb; Propaquizafop; Propargite; Propazine; Propham; Propiconazole (sum of isomers); Propoxur; Propoxycarbazone; Propoxycarbazone sodium; Propyzamide; Proquinazid; Prosulfocarb; Prosulfuron; Prothioconazole; PTU (propylene thiourea); Pymetrozine; Pyraclostrobin; Pyraflufen-ethyl; Pyrazophos; Pyrethrins; Pyridaben; Pyridafol; Pyridalyl; Pyridalyl; Pyridaphention; Pyridate; Pyrifenox; Pyrimethanil;Pyriofenone; Pyriproxyfen; Pyroxsulam; Quinalphos; Quinclorac; Quinmerac; Quinoxyfen; Quizalofop; Quizalofop free acid; Quizalofop-P tefuryl; Quizalofop-P-ethyl; Rabenzazole; Rimsulfuron; Sedaxane (izomerler toplamı); Simazine; Sodium 5-nitroguaiacolate, sodium o-nitrophenolate ve sodium p-nitrophenolate toplamı, sodium 5-nitroguaiacolate cinsinden; Spinetoram (Spinetoram-J ve Spinetoram-L toplamı); Spinosad; Spirodiclofen; Spirotetramat ve spirotetramat- enol toplamı, spirotetramat cinsinden; Spiroxamine (sum of isomers); Sulfosulfuron; Sulfotep; Tebuconazole; Tebufenozide; Tebufenpyrad; Teflubenzuron; Tembotrione (ana tembotrione (AE0172747) ve metabolit M5 (4,6- dihydroxy tembotrione) toplamı, tembotrione cinsinden); Tepraloxydim; Terbumeton; Terbuthylazine; Tetrachlorvinphos; Tetraconazole; Tetramethrin; TFNA; TFNG; Thiabendazole; Thiacloprid; Thiamethoxam; Thiencarbazone methyl; Thifensulfuron-methyl; Thiodicarb; Thiophanate-methyl; Tolfenpyrad;	

ANNEX
HALAL ACCREDITATION SCOPE

Tested Materials / Products	Name of Test	Testing Method (National, International Standards, In-house Methods)
	Tralkoxydim (sum of component isomers); Triadimefon; Triadimenol; Triasulfuron; Triazophos; Tribenuron-methyl; Trichlorfon; Triclopyr; Triclopyr-2-butoxyethyl ester; Tridemorph; Trifloxystrobin; Trifloxysulfuron; Triflumizole; Triflumuron; Triflusulfuron (6-(2,2,2- trifluoroethoxy)-1,3,5-triazine-2,4-diamine (IN-M7222); Triforine; Trinexapac (free acid); Trinexapac ethyl; Triticonazole; Tritosulfuron; Valifenalate; Vamidothion; Vernolate; Zoxamide]	
Food (not applicable to tea and coffee)	Determination of Caffeine HPLC-UV/DAD Method	JAOAC Vol.76 No:2
Food	Determination of Acesulfame K, Saccarin, Aspartame HPLC-UV/DAD Method	JAOAC Vol.76 No:2
Food	Determination of Benzoic Acid and Sorbic Acid HPLC-UV/DAD Method	NMKL 124
Vegetables	Analysis of Nitrate HPLC-UV/DAD Method	JAOAC Vol.76 No 2
Sugary Products	Determination of HMF HPLC-UV/DAD Method	JAOAC Vol.76 No 2
Nuts and Products	Determination of Aflatoxin B1 and Total Aflatoxin (B1+B2+G1+G2) HPLC-FLD Method	AOAC 991.31
Feed	Determination of Aflatoxin B1 and Total Aflatoxin (B1+B2+G1+G2) HPLC-FLD Method	In-house Method- "KMB-TL-07 Rev. No:01" (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)
Dried Fig and Fig Products	Determination of Aflatoxin B1 and Total Aflatoxin (B1+B2+G1+G2) HPLC-FLD Method	TS EN 14123
Milk; Milk powder	Determination of Aflatoxin M1 HPLC-FLD Method	In-house Method- "KMB-TL-25 Rev. No:01"(Modified from R-Biopharm Application Note; Ref

REPUBLIC OF TÜRKİYE

HALAL ACCREDITATION AGENCY

ANNEX

HALAL ACCREDITATION SCOPE

Tested Materials / Products	Name of Test	Testing Method (National, International Standards, In-house Methods)
		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)
Coffee	Determination of Ochratoxin A HPLC-FLD Method	In-house Method-"KMB-TL-28 Rev. No:01" (R-Biopharm Okraprep Application Note; Ref No: A1-P14.V9)
Cereals, Grain-Based Food and Feed	Determination of Deoxynivalenol (DON) HPLC-UV/DAD Method	In-house Method- "KMB-TL-26 Rev. No:01" (Modified from R-Biopharm Application Note; Ref No: RP50/V8/26.10.10)
Cereals, Grain-Based Food and Feed	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/V12/26.10.1)
Food and Feed (Cereal and Grain-based Food and Feed)	Determination 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)
Food	Determination of Multiple Mycotoxin Aflatoxin (B1;B2;G1;G2, 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)
Seafood	Determination of Polycyclic Aromatic Hydrocarbons (PAH) [Benzo (a) pyrene Pre-Treatment: Liquid-Liquid Extraction Measurement: HPLC UV/FLD Method	In-house Method-" KMB-TL-87 Rev. No 00" (Modified from Agilent 5990-5441EN, 2010 application note)
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 Materials and Articles in Contact with Foodstuffs	Analysis of Total Migration in Evaporable Food Simulants	TS EN 1186-3:2022 Metot 1 (Total Immersion) Metot 2 (Cell) Metot 3 (Fillable Pouch) Metot 4 (Reverse Pouch) Metot 5 (Fiilling a Container)
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:01" Modified from: (-BIO-RAD Sadtler Spectral Databases Library Polymers Vol.2 -Perkin Elmer FTIR Spectrum

ANNEX
HALAL ACCREDITATION SCOPE

Tested Materials / Products	Name of Test	Testing Method (National, International Standards, In-house Methods)
		Two Handbook. - Anonymous, 1999. Polymer Data Handbook, Modified from Oxford University Press)
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:03" 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 (SO2) Titrimetric method	AOAC 962.16
Honey	Determination 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	Determination of Free acidity	TS 13360
Honey	Water Content and Refractive Index	TS 13365
Honey	Determination of Proline Spectrophotometric method	IHC 2009
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
Spices	Determination of Moisture Toluene Method	TS ISO 939
Products Based-on Plant Origin (Excluding Spices)	Determination of Moisture	TS EN ISO 712-1
Fruit-Vegetables and Products	Determination of Moisture	TS 1129 ISO 1026

REPUBLIC OF TÜRKİYE
HALAL ACCREDITATION AGENCY

ANNEX
HALAL ACCREDITATION SCOPE

Tested Materials / Products	Name of Test	Testing Method (National, International Standards, In-house Methods)
Black tea	Determination of Moisture	TS 1562
Cocoa (ground)	Determination of Moisture	TS 3076-1
Instant Dry Soup Mix	Determination of Moisture	TS 3190
Legumes	Determination of Moisture	TS ISO 24557
Oil seeds	Determination of Moisture	TS EN ISO 665
Starch	Determination of Moisture	TS 1252 EN ISO 1666
Sugars for Human Consumption	Determination of Moisture	Turkish Food Codex (TFC) Communiqué No: 2002/26 RG:10.04.2002-24722
Grains and Grain Products (Except Corn and Legumes)	Determination of Moisture	TS EN ISO 712-1
Spices, Seasonings and Medicinal Plants	Essential oil analysis	TS EN ISO 6571
Cereals, Legumes and Byproducts (excluding Starches and Their Products)	Determination of Ash	TS EN ISO 2171
Black Tea	Determination of Total Ash	TS 1564
Spices and Flavoring Agents	Ash determination	TS 2131 ISO 928
Products Based-on Plant Origin	Determination of Starch Polarimetric Method	TS EN ISO 10520
Fruit and Vegetable Products	Determination of titratable acidity	TS 1125 ISO 750
Fruit and Vegetable Products	Determination of pH Potentiometric method	TS 1728 ISO 1842
Products Based-on Plant Origin	Determination of Salt Potentiometric method	AOAC 971.27
Products Based on Plant Origin	Determination of Salt Titrimetric Method	TS 5000 TS 774
Products Based-on Plant Origin	Determination of Crude Protein Combustion Method (The principle of Dumas)	AOAC 990.03
Products Based-on Plant Origin	Determination of Fat Content	TS EN ISO 659 TS 2664
Products Based-on Plant Origin	Total Carbohydrate Calculation	TS EN ISO 10520 AOAC 968.28
Products Based-on Plant	Determination of Total Sugar; Invert Sugar;	TS 1466

ANNEX
HALAL ACCREDITATION SCOPE

Tested Materials / Products	Name of Test	Testing Method (National, International Standards, In-house Methods)
Origin	Sucrose Lane-Eynon Method	
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
Herbal product compositions, food supplements, energy drinks, herbal tea, coffee, soft drinks, plant extracts, paste, honey, chocolate, Turkish delight, cezerye etc. other sugary products	Analysis of some selected drug active ingredients/active pharmaceutical ingredients Number of Selected Pesticides Analyzed is 110 2,4-dinitrofenol (2,4-dinitrophenol (DNP), (2,4-DNP)), 6-α-metilprednizolon (6-α-methylprednisolone), Amfetamin (Amphetamine), Amlodipin (Amlodipine), Asetildenafil (Acetildenafil), Atorvastatin (Atorvastatin Calcium Salt), Atropin (Atropine), Avanafil (Avanafil), Benazepril, Benzil Sibutramin (Benzyl Sibutramine HCl), Benzil Sildenafil (Benzyl Sildenafil), Betametazon (Betamethasone), D,L-Venlafaksin (D,L-Venlafaxine Hydrochloride), Dapoksetin (Dapoxetine Hydrochloride), Dekzametazon (Dexamethasone), Desmetil Sibutramin (Desmethyl Sibutramine), 1Didesmetil Sibutramin (Didesmethyl Sibutramine), Digitoksin (Digitoxin), Diklofenak (Diclofenac), Dimetil Sildenafil (Dimethyl Sildenafil), Dobutamin (Dobutamine), Efedrin (Ephedrine), Enalapril, Felodipin (Felodipine), Fenasetin (Phenacetin), Fenformin (Phenformin), Fenilbutazon (Phenylbutazone), Fentolamin (Phentolamine), Finasterid (Finasterid), Fluoksetin (Fluoxetine Hydrochloride), Fluvastatin (Fluvastatin Sodium Salt), Fluvoksamin (Fluvoxamine), Fondenafil (Fondenafil), Furosemit (Furosemide), Glibenklamid (Glibenclamide), Gliklazid (Gliclazide), Glimepirid (Glimepiride), Glipizid (Glipizide), Hidralazin (Hydralazine), Hidroklorothiazit (Hydrochlorothiazide), Hidroksi Klorodenafil (Hydroxy Chlorodenafil), Hidroksihomosildenafil (Hydroxyhomo Sildenafil), Hidroksithiohomo Sildenafil (Hydroxythiohomo Sildenafil), Homo Sibutramin (Homo Sibutramine HCl), Homo Sildenafil, İbuprofen (Ibuprophen), İndometazin (Indomethacin), Kannabidiol	In House Method "BÜB-TL-220 Rev. No 01" (Modified from Journal of Pharmaceutical and Biomedical Analysis 41 (2006) 554-564)

ANNEX
HALAL ACCREDITATION SCOPE

Tested Materials / Products	Name of Test	Testing Method (National, International Standards, In-house Methods)
	(Cannabidiol), Kannabigerol (Cannabigerol), Kannabinol (Cannabinol), Kannobidiolik Asid (Cannobidiolic Asid), Kaptopril (Captopril), Karvedilol (Carvedilol), Ketoprofen, Kinidin (Quinidine), Klenbuterol Hidroklorit (Clenbuterol Hydrochloride), Klonidin (Clonidine), Klorfeniramin Maleat (Chlorpheniramine Maleate), Kloro-Sibutramin (Chloro-Sibutramine HCl), Klortalidon (Chlorthalidone), Labetalol, Lisinopril, Lovastatin (Lovastatine), Mefenamik Asit (Mefenamic Acid), Metamizol (Metamyzole), Metformin, Metoprolol, Mevastatin (Mevastatine), Minoksidil (Minoxidil), N,N-didemeti 1-Hidroksi Sibutramin (N,N-didemethyl 1-Hydroxy Sibutramine Hydrochloride), Naproksen (Naproxen), Natamisin (Natamycin), Nifedipin (Nifedipine), Nitrendipin (Nitrendipine), Nitrodenafil (Nitrodenafil), Norpsödoefedrin (Norpseudoephedrine), Omeprazol (Omeprazole), Parasetamol (Paracetamol), Paroksetin (Paroxetine Hydrochloride), Pitavastatin (Pitavastatin Calcium), Prazosin, Prednizolon (Prednisolone), Propoksifenil Homohidroksi Sildenafil (Propoxyphenyl Homohydroxy Sildenafil), Propoksifenil tiyohidroksihomo Sildenafil (Propoxyphenyl-thiohydroxyhomo Sildenafil), Psödoefedrin (Pseudoephedrine), Ramipril, Repaglinid (Repaglinide), Rosiglitazon (Rosiglitazone), Rosuvastatin (Rosuvastatin Calcium Salt), Sertralin (Sertraline Hydrochloride), Sibutramin (Sibutramine), Sildenafil, Sildenafil Amid (Sildenafil Amid), Simvastatin (Simvastatine), Sitalopram (Citalopram), Skopolamin (Scopolamine), Tadalafil ,Tetra Hidro Kannobinol (Tetra Hydro Cannobinol), Tetra Hidro Kannobinolik Asid (Tetra Hydro Cannobinolic Asid), Thiodimetilsildenafil (Thiodimethyl Sildenafil), ThiohomoSildenafil, Thiosildenafil, Tolbutamid (Tolbutamide), Triamsinolon Asetonit (Triamcinolone Acetonide), Triamteren (Triamterene), Valsartan, Vardenafil, Verapamil, Yohimbin (Yohimbine), Zimeldin (Zimeldine)	
Vegetable oils	Determination of Fatty Acid Composition (Arachidic acid (C20:0); Behenic acid	Com. Regulation (EC) No 796 COI/T.20/Doc. No 33

ANNEX
HALAL ACCREDITATION SCOPE

Tested Materials / Products	Name of Test	Testing Method (National, International Standards, In-house Methods)
	(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	
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 /Acid Number	TS 894 TS EN ISO 660
Extra Virgin Olive Oil	Sensory Analysis	Turkish Food Codex Olive Oil And Pomace Oil Analysis Methods Notification (Notification No: 2023/20) COI/T.20/Doc. No 15 Determination of Sensory Properties of Natural Olive Oils (Except for articles 4.4 and 10.4)
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 07", (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
Milk, Ayran, Cream and Condensed Milk	Determination of Dry Matter	TS 1018
Yogurt	Determination of Dry Matter / Moisture	In House Method-" HÜB-TL-71/01 Rev. No 09 (Modified from GMMAM)
Butter	Determination of Dry Matter / Moisture	TS 1331
Raw milk	Determination of Phosphatase Activity Lactognost Assay Method;	In House Method-"HÜB-TL-90/01 Rev. No:04" (Modified from Lactognost Test Kit Application Note. Hey1)
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)

ANNEX
HALAL ACCREDITATION SCOPE

Tested Materials / Products	Name of Test	Testing Method (National, International Standards, In-house Methods)
Milk and ayran	Determination of Acidity	TS 1018
Milk and ayran	Determination of Fat	AOAC 2000.18
Butter	Determination of Salt Content Mohr Method	In House Method-"HÜB-TL-159/01 Rev. No 07", (Modified from Food Inspection Analysis Methods, 1988)
Milk and dairy products	Determination of Total Protein	AOAC 991.20 TS EN ISO 8968-1
Seafood	Determination of Histamine HPLC-UV/DAD method	NMKL 196
Milk and dairy products	Species Identification (Detection of Bovine DNA) Real Time-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	Species Identification (Detection of Sheep DNA) RealTime-PCR Method Pretreatment: DNA Extraction	Kit Metodu (SNPRTs-KY Milk Specimen Panel Kit Procedure) Kit Method (NucleoSpin Genomic DNA extraction kit procedure)
Milk and dairy products	Species Identification (Detection of Goat DNA) RealTime-PCR Method Pretreatment: DNA Extraction	Kit Metodu (SNPRTs-KÇ Milk Specimen Panel Kit Procedure) Kit Method (NucleoSpin Genomic DNA extraction kit procedure)
Meat; Meat Products and Dairy Products	Species Identification (Detection of Horse DNA) 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	Species Identification (Detection of Donkey DNA) 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	Species Identification (Detection of Pig DNA) 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	Species Identification (Detection of Chicken DNA) 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	Species Identification (Detection of	Kit Metodu (SNPRT-H

ANNEX
HALAL ACCREDITATION SCOPE

Tested Materials / Products	Name of Test	Testing Method (National, International Standards, In-house Methods)
Dairy Products	Turkey DNA Real Time PCR Method Pretreatment: DNA Extraction	Speciation Panel Kit Procedure) Kit Method (NucleoSpin Genomic DNA extraction kit procedure)
Meat; Meat Products and Dairy Products	Species Identification (Detection of Beef DNA) 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	Species Identification (Detection of Sheep DNA) 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	Species Identification (Detection of Goat DNA) Real Time PCR Method Pretreatment: DNA Extraction	Kit Metodu (SNPRT-KÇ Speciation Panel Kit Procedure) Kit Method (NucleoSpin Genomic DNA extraction kit procedure)
Meat; Meat Products and Dairy Products	Species Identification (Detection of Corn DNA) Real Time PCR Method Pretreatment: DNA Extraction	Kit Metodu (SNPRT-M Speciation Panel Kit Procedure) Kit Method (NucleoSpin Genomic DNA extraction kit procedure)
Meat; Meat Products and Dairy Products	Species Identification (Detection of Soybean DNA) Real Time PCR Method Pretreatment: DNA Extraction	Kit Metodu (SNPRT-SY Speciation Panel Kit Procedure) Kit Method (NucleoSpin Genomic DNA extraction kit procedure)
Feed and raw materials of feed	Species Identification (Detection of Bonito DNA) Real Time PCR Method Pretreatment: DNA extraction	Kit Metodu (SNP Biotechnology SNPRTB- P, Kit Procedure) Kit method (nucleospin genomic DNA extraction kit procedure)
Feed and raw materials of feed	Species Identification (Detection of Salmon DNA) Real Time PCR Method Pretreatment: DNA extraction	Kit Metodu (SNP Biotechnology SNPRTB-S Kit Procedure) Kit method (nucleospin genomic DNA extraction kit procedure)
Feed and raw materials of feed	Species Identification (Detection of Sea Bass DNA) Real Time PCR Method Pretreatment: DNA extraction	Kit Metodu (SNP Biotechnology SNPRTB-L Kit Procedure) Kit method (nucleospin genomic DNA extraction kit procedure)
Feed and raw materials of feed	Species Identification (Detection of Anchovy DNA) Real Time PCR Method Pretreatment: DNA extraction	Kit Metodu (SNP Biotechnology SNPRTB- H Kit Procedure) Kit method (nucleospin genomic DNA extraction kit procedure)

ANNEX
HALAL ACCREDITATION SCOPE

Tested Materials / Products	Name of Test	Testing Method (National, International Standards, In-house Methods)
Feed and raw materials of feed	Species Identification (Detection of Sea Bream DNA) Real Time PCR Method Pretreatment: DNA extraction	Kit Metodu (SNP Biotechnology SNPRTB-C Kit Procedure) Kit method (nucleospin genomic DNA extraction kit procedure)
Feed and Feed Additives	Analysis of Selected Veterinary Drug Residues- LC-MS/MS Method **Amphenicols-3** Chloramphenicol; Florfenicol; Thiamphenicol **Anticoccidials -12** Amprolium; Diclazuril; Halofuginone; Lasalocid; Maduramicin; Monensin; Narasin; Nicarbazin; Robenidine; Salinomycin; Toltrazuril, Decoquinate **Diaminopyrimidines –1** Trimethoprim **Quinolones -6** Ciprofloxacin; Danofloxacin; Difloxacin; Enrofloxacin; Flumequin; Sarafloxacin **Lincosamides -1** Lincomycin **Macrolides-5** Erythromycin; Spiramycin; Tilmicosin Tylosin; Tylvalosin **Nitrofurans-2** Furaltadone; Furazolidone **Penicillins-6** Amoxicillin; Ampicillin; Dicloxacillin; Nafcillin; Oxacillin; Penicillin G **Pleuromutilins-1** Tiamulin **Quinoxalines-2** Carbadox; Olaquindox **Streptogramins-1** Virginamycin **Sulfanamides-10** Sulfachloropyridazine; Sulfadiazine; Sulfadimethoxine; Sulfadoxine; Sulfamerazine; Sulfamethazine; Sulfamethoxazole; Sulfapyridine; Sulfaquinoxaline; Sulfathiazole **Tetracyclines -4** Chlortetracycline; Doxycycline; Oxytetracycline; Tetracycline	In house Method "VKB-TL-01 Rev. No:02" (Modified from: Analytica Chimica Acta 700 (2011) 26-33 and AOAC 997.04)

ANNEX
HALAL ACCREDITATION SCOPE

Tested Materials / Products	Name of Test	Testing Method (National, International Standards, In-house Methods)
Milk	Analysis of Selected Veterinary Drug Residues- LC-MS/MS Method **Amphenicols -3** Chloramphenicol; Florfenicol; Thiamphenicol Anthelmintics -3 Levamisol; Thiabendazole 5 Hydroxy; Thiabendazole **Quinolones -9** Ciprofloxacin; Danofloxacin; Difloxacin; Enrofloxacin; Flumequin; Marbofloxacin; Nalidixic Acid; Oxolinic Acid; Sarafloxacin **Macrolides -5** Spiramycin; Tilmicosin; Neospiramycin; Tylosin; Erytromycin **Nitrofurans -4** Nitrofurantoin (AHD); Furaldaton (AMOZ); Furazolidon (AOZ); Nitrofurazon (SEM) **Nitroimidazoles -7** Dimetridazole; Ipronidazole Hyrodxy; Ipronidazole; Metronidazole; Ronidazole; HMMNI; Metronidazole Hydroxy **Sulfanamides -10** Sulfachloropyridazine; Sulfadiazine; Sulfadimethoxine; Sulfadoxine; Sulfamerazine; Sulfamethazine; Sulfamethoxazole; Sulfapyridine; Sulfaquinoxaline; Sulfathiazole **Tetracyclines -7** Chlortetracycline; Doxycycline; Oxytetracycline; Tetracycline; 4-epi-Tetracycline; 4-epi-Oxytetracycline; 4-epi-Chlortetracycline **Linkozamid -1** Lincomycin **Penicillin 4** Dicloxacillin; Ampicillin; Cloxacillin; Oxacillin **Beta-lactam -1** Cefquinome (CFQ) **Lincosamide-1** Lincomycin **Macrolides - 5** Erythromycin; Spiramycin; Tilmicosin; Tylosin; Tylvalosin **Nitrofurans -3**	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

Tested Materials / Products	Name of Test	Testing Method (National, International Standards, In-house Methods)
	Furaltadone; Furazolidone; Nitrofurantoin **Penicillins -3** Amoxicillin; Dicloxacillin; Penicillin G **Pleuromutilins -1** Tiamulin **Quinoxalines -2** Carbadox; Olaquindox **Streptogramins -1** Virginamycin **Sulfanamides -10** Sulfachloropyridazine; Sulfadiazine; Sulfadimethoxine; Sulfadoxine; Sulfamerazine; Sulfamethazine; Sulfamethoxazole; Sulfapyridine; Sulfaquinoxaline; Sulfathiazole **Tetracyclines -4** Chlortetracycline; Doxycycline; Oxytetracycline; Tetracycline	
Drinking Water for animals	Analysis of Selected Veterinary Drug Residues- LC-MS/MS Method **Amphenicols -3** Chloramphenicol; Florfenicol; Thiamphenicol **Anticoccidials -11** Amprolium; Diclazuril; Halofuginone; Lasalocid; Maduramicin; Monensin; Narasin; Nicarbazin; Robenidine; Salinomycin; Toltrazuril. Diaminopyrimidines -1 Trimethoprim Quinolones -6 Ciprofloxacin; Danofloxacin; Difloxacin; Enrofloxacin; Flumequin; Sarafloxacin Lincosamides -1 Lincomycin Macrolides - 5 Erythromycin; Spiramycin; Tilmicosin; Tylosin; Tylvalosin **Nitrofurans -3** Furaltadone; Furazolidone; Nitrofurantoin **Penicillins -3** Amoxicillin; Dicloxacillin; Penicillin G **Pleuromutilins -1** Tiamulin **Quinoxalines -2** Carbadox; Olaquindox	In House Method "VKB-TL-03 Rev. No:00" (Modified from: Analytica Chimica Acta 700 (2011) 26-33 and AOAC 997.04 modified)

ANNEX
HALAL ACCREDITATION SCOPE

Tested Materials / Products	Name of Test	Testing Method (National, International Standards, In-house Methods)
	Streptogramins -1 Virginamycin **Sulfanamides -10** Sulfachloropyridazine; Sulfadiazine; Sulfadimethoxine; Sulfadoxine; Sulfamerazine; Sulfamethazine; Sulfamethoxazole; Sulfapyridine; Sulfaquinoxaline; Sulfathiazole **Tetracyclines -4** Chlortetracycline; Doxycycline; Oxytetracycline; Tetracycline	
Meat	Analysis of Selected Veterinary Drug Residues- LC-MS/MS Method **Amphenicols -2** Chloramphenicol; Florfenicol **Anthelmentics -5** Doramectin; Levamisole; Moxidectine; Thiabendazole-5-hydroxy; Thiabendazole **Anticoccidials -6** Lasolacid; Maduramicine; Monensin; Narasin; Nicarbazine; Salinomycin Quinolones -9 Ciprofloxacin; Danofloxacin; Difloxacin; Enrofloxacin; Flumequine; Marbofloxacin; Nalidixic Acid; Oxolinic Acid; Sarafloxacin **Macrolides -2** Spiramycin; Tilmicosin **Nitroimidazoles -6** Dimetridazole; Ipronidazole-hydroxy; Ipronidazole; Metronidazole; Metronidazole Hydroxy; Ronidazole **NSAIDs -2** Diclofenac; Meloxicam Penicillins -7 Amoxicillin; Ampicillin; Cephapirin; Dicloxacillin; Penicilline G; Nafcillin, Oxacillin **Sulfanamides -10** Sulfachloropyridazine; Sulfadiazine; Sulfadimethoxine; Sulfadoxine; Sulfamerazine; Sulfamethazine; Sulfamethoxazole; Sulfaquinoxaline; Sulfapyiridine; Sulfathiazole **Tetracyclines -4 Adet** 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)

ANNEX
HALAL ACCREDITATION SCOPE

Tested Materials / Products	Name of Test	Testing Method (National, International Standards, In-house Methods)
Meat	Analysis of Selected Veterinary Drug Residues- LC-MS/MS Method **A1-Stilbens- 3** Dienestrol; Diethylstilbestrol; Hexestrol **A3-Steroids -3** 17-alpha-Methyltestosterone; Melengestrol acetate; Trenbolone **A4-Resorsilicic acid lactones-6** Zearalanone; Zearalenone; Zeranol (Alfa Zearalanol); α-Zearalenol; β-Zearalanol (Taleranol); β-Zearalenol **A5-Betaagonists-4** Cimbuterol; Clenbuterol; Mapenterol; Salbutamol	In House Method "VKB-TL-05 Rev. No:03" (Modified from: Journal of Chromatography B; 2013; 940; 15-23)
Fish	Analysis of Selected Veterinary Drug Residues- LC-MS/MS Method **A1-Stilbens – 3** Dienestrol; Diethylstilbestrol; Hexestrol **A3-Steroids -3** 17-alpha-Methyltestosterone; Melengestrol acetate; Trenbolone **A4-Resorsilicic acid lactones -6** Zearalanone; Zearalenone; Zeranol (Alfa Zearalanol); α-Zearalenol; β-Zearalanol (Taleranol); β-Zearalenol	In House Method "VKB-TL-05 Rev. No:03" (Modified from: Journal of Chromatography B; 2013; 940; 15-23)
Poultry Muscle	Analysis of Selected Veterinary Drug Residues- LC-MS/MS Method **A1-Stilbens - 3** Dienestrol; Diethylstilbestrol; Hexestrol **A3-Steroids -3** 17-alpha-Methyltestosterone; Melengestrol acetate; Trenbolone **A4-Resorsilicic acid lactones -6** Zearalanone; Zearalenone; Zeranol (Alfa Zearalanol); α-Zearalenol; β-Zearalanol (Taleranol); β-Zearalenol	In House Method "VKB-TL-05 Rev. No:03" (Modified from: Journal of Chromatography B; 2013; 940; 15-23)

ANNEX
HALAL ACCREDITATION SCOPE

Tested Materials / Products	Name of Test	Testing Method (National, International Standards, In-house Methods)
Poultry Muscle	Analysis of Selected Veterinary Drug Residues- LC-MS/MS Method **Amphenicols -3** Chloramphenicol; Florfenicol; Thiamfenicol **Anticoccidials- 7** Amprolium; Decoquinate; Diclazuril; Halofuginone; Monensin; Robenidine; Toltrazuril Sulfone **Avermectins-3** Abamectin; Eprinomectin; Ivermectin **Benzimidazoles-11** Albendazole; Albendazole Sulfone; Albendazole Sulfoxide; Albendazole-2-aminosulfone; Cambendazole; Flubendazole; Ketotriclabendazole; Levamisol; Thiabendazole; Thiabendazole-5-Hydroxy; Triclabendazole **Diaminopyrimidines- 1** Trimethoprim **Quinolones - 9** Ciprofloxacin; Danofloxacin; Difloxacin; Enrofloxacin; Flumequine; Marbofloxacin; Nalidixic Acid; Oxolinic Acid; Sarafloxacin **Lincosamides - 1** Lincomycin **Macrolides 6** Erythromycin; Neospiramycin; Spiramycin; Tilmicosin; Tylosin; Tylvalosin **Nitroimidazoles - 4** Ipronidazole Hydroxy; Metronidazole; Metronidazole Hydroxy; Ronidazole **NSAIDs - 5** Carprofen; Diclofenac; Flunixin; Meloxicam; Phenylbutazone **Penicillins - 7 Adet** Cephapirin; Cloxacillin; Dicloxacillin; Nafcillin; Oxacillin; Penicillin G (Benzylpenicillin); Phenoxymethyl Penicillin (Penicillin V) **Quinolones - 1** 3-Methylquinoxaline-2-carboxylic acid (MQCA) **Sulfanamides - 10** Sulfachloropyridazine; Sulfadiazine; Sulfadimethoxine; Sulfadoxine; Sulfamerazine; Sulfamethazine; Sulfamethoxazole; Sulfapyridine; Sulfaquinoxaline; Sulfathiazole	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)

Tested Materials / Products	Name of Test	Testing Method (National, International Standards, In-house Methods)
	Tetracyclines 6 Doxycycline; Epitetracycline; Oxytetracycline; Tetracycline; 4-epi-Chlortetracycline; 4-epi-Oxytetracycline	
Food (Milk Powder, Whey Powder)	Analysis of Selected Veterinary Drug Residues- LC-MS/MS Method **Macrolides -6** Erythromycin; Spiramycin; Neospiramycin; Tilmicosin; Tylosin; Tylvalosin **Quinolones -9** Ciprofloxacin; Danofloxacin; Difloxacin; Enrofloxacin; Flumequin; Sarafloxacin; Marbofloxacin; Nalidixic Acid; Oxolinic Acid **Lincosamides -1** Lincomycin **Sulfanamides -10** Sulfachloropyridazine; Sulfadiazine; Sulfadimethoxine; Sulfadoxine; Sulfamerazine; Sulfamethazine; Sulfamethoxazole; Sulfapyridine; Sulfaquinoxaline; Sulfathiazole **Diaminopyrimidines-1** Trimethoprim	In House Method "VKB-TL-10 Rev. No 00" (Modified from: Analyitica Chimica Acta. 2015 Jun 23;880:103-21)
Food (Fish)	Analysis of Selected Veterinary Drug Residues- LC-MS/MS Method **Nitroimidazoles-7** Ronidazole; Dimetridazole; Metronidazole;	In House Method "VKB-TL-19 Rev. No 03" (Modified from: -Multi- residue quantitation of veterinary drugs in

ANNEX
HALAL ACCREDITATION SCOPE

Tested Materials / Products	Name of Test	Testing Method (National, International Standards, In-house Methods)
	Metronidazole Hydroxy; Ipronidazole; Ipronidazole Hyrodxy; HMMNI (2-Hydroxymethyl-1-methyl-5-nitro-1H-imidazole); **Amfenicols-3** Chloramphenicol; Florfenicol; Thiamfenicol **Tetracyclines-7** Doxycycline; Tetracycline; Epitetracycline; Chlortetracycline; 4-epi-Chlortetracycline; Oxytetracycline; 4-epi-Oxytetracycline **Quinolones-6** Danofloxacin; Difloxacin; Enrofloxacin; Flumequine; Oxolinic Acid; Sarafloxacin **Macrolides-2** Tilmicosin; Tylosin **ß-Lactams-5** Oxacillin; Penicilline G (Benzylpenicillin); Ampicillin; Dicloxacillin; Cloxacillin	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
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:03"(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	Analysis of Ash Insoluble in HCl	Regulation on Sampling and

ANNEX
HALAL ACCREDITATION SCOPE

Tested Materials / Products	Name of Test	Testing Method (National, International Standards, In-house Methods)
Feed; Feed Additives		Analysis Methods for Official Control of Feeds, Official Gazette No. 29955
Feed and Raw Materials of Feed; Feed Additives	Determination of Crude protein Combustion Method (Dumas Principle)	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 712-1
Food, Environmental Samples Taken from the Food Processing Facility	Aeorobic Colony Count	AOAC 2008.10 bioMérieux TEMPO, AC
Food (Except foods with high enzymatic activity, raw red offal and raw mollusks)	*Escherichia coli* Count	AOAC 2009.02 bioMérieux TEMPO EC
Food (except fruit purees, cocoa)	Coliform Bacteria Count	AOAC 2008.10 bioMérieux TEMPO TC
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
Food (excluding fruit purees, cocoa, raw mushrooms, and beverages)	*Enterobactericeae* Count	AOAC 2008 bioMérieux TEMPO; EB
Food (except fruit purees, cocoa, fermented products, and yogurt)	Yeast and Mould Count	AOAC 2010 bioMérieux TEMPO; YM
Food	*Escherichia coli* O157 Detection	bioMérieux VIDAS UP O157 ECPT
Food	*Listeria monocytogenes* Detection	AOAC 2013.11; bioMérieux VIDAS LMX
Food, Feed	Detection of *Salmonella spp.*	AOAC 2013.01 bioMérieux VIDAS UP SPT
Food, Feed	Detection of *Salmonella spp.*	TS EN ISO 6579-1
Food, Feed	Aerobic Colony Count	ISO 4833-1

ANNEX
HALAL ACCREDITATION SCOPE

Tested Materials / Products	Name of Test	Testing Method (National, International Standards, In-house Methods)
	Pour Plate Technique	
Food, Feed	**Escherichia coli** Count Colony Count technique	ISO 16649-2
Food, Feed	Coliform Bacteriae Count Colony Count technique	ISO 4832
Food, Feed	*Listeria monocytogenes ((Listeria 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 - (*Staphylococcus aureus* and other spe) Colony Count Technique	TS 6582-2 EN ISO 6888-1 TS 6582-2 EN ISO 6888-2
Food, Feed	*Clostridium perfringens (Clostridium spp.)* Count Colony Count Technique	TS EN ISO 7937
Food, Feed	*Vibrio spp* Detection; *Vibrio cholera* and *Vibrio parahaemolyticus* Detection	ISO/TS 21872-1
Raw Milks	Somatic Cell Count	TS EN ISO 13366-1
Food, Feed, Environmental Samples taken From Food Plants	*Enterobacteriaceae* Count	ISO 21528-2 ISO 21528-1
Food	*Bacillus cereus* Count Colony Count technique	TS EN ISO 7932
Food	*Bacillus cereus* Count	AOAC 071401; bioMérieux TEMPO BC
Water	Colony Count	TS EN ISO 6222
Water	*Fecal Enterococcus* Count Most Probable Number Technique	SM 9230 B
Water	*Coliform Bacteria* Count Most Probable Number Technique	ISO 9308-2
Water	*Escherichia coli (E.coli)* Count Most Probable Number Technique	ISO 9308-2
Water	*Enterococcus Fecal Streptecoccus* Count Most Probable Number Technique	TS EN ISO 7899-1
Water	*Salmonella Spp.* Detection Membrane Filtration Method	ISO 19250
Food (except milk and dairy product)	*B-Glucuronidase* Positive *E. coli* Count Most Probable Number Technique	ISO/TS 16649-3

ANNEX
HALAL ACCREDITATION SCOPE

Tested Materials / Products	Name of Test	Testing Method (National, International Standards, In-house Methods)
Food, Feed and Food Contact Surfaces	*Escherichia coli* Count Most Probable Number Technique	ISO 7251
Food, Feed and Environmental Samples Taken from the Food Processing Facility	Enumeration of anaerobic bacteria inducing sulphide Colony count technique	ISO 15213-1
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, Bosphore Plant DNA Extraction Spin Kit) 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, Bosphore Plant DNA Extraction Spin Kit) 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, Bosphore Plant DNA Extraction Spin Kit) 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, Bosphore Plant DNA Extraction Spin Kit) 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, Bosphore Plant DNA Extraction Spin Kit) 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, Bosphore Plant DNA Extraction Spin Kit) 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, Bosphore Plant DNA Extraction Spin Kit) 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, Bosphore Plant DNA Extraction Spin Kit) ISO 21571

ANNEX
HALAL ACCREDITATION SCOPE

Tested Materials / Products	Name of Test	Testing Method (National, International Standards, In-house Methods)
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, Bosphore Plant DNA Extraction Spin Kit) 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, Bosphore Plant DNA Extraction Spin Kit) ISO 21571
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, Bosphore Plant DNA Extraction Spin Kit) 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, Bosphore Plant DNA Extraction Spin Kit) 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, Bosphore Plant DNA Extraction Spin Kit) 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, Bosphore Plant DNA Extraction Spin Kit) 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, Bosphore Plant DNA Extraction Spin Kit) 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, Bosphore Plant DNA Extraction Spin Kit) 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, Bosphore Plant DNA Extraction Spin Kit) ISO 21571
Food, Feed and Seed	Identification and Quantification Analysis of Cotton Event 281-24-236	EURL Method (QT-EVE- GH-001A), ISO 21570, ISO 24276

ANNEX
HALAL ACCREDITATION SCOPE

Tested Materials / Products	Name of Test	Testing Method (National, International Standards, In-house Methods)
	Real Time PCR Metod Pre-treatment: DNA Extraction	Kit Method (Eurofins GENESpin DNA Isolation Kit, Bosphore Plant DNA Extraction Spin Kit) 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, Bosphore Plant DNA Extraction Spin Kit) 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, Bosphore Plant DNA Extraction Spin Kit) 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, Bosphore Plant DNA Extraction Spin Kit) 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, Bosphore Plant DNA Extraction Spin Kit) ISO 21571
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, Bosphore Plant DNA Extraction Spin Kit) 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, Bosphore Plant DNA Extraction Spin Kit) 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, Bosphore Plant DNA Extraction Spin Kit) 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, Bosphore Plant DNA Extraction Spin Kit) ISO 21571
Food, Feed and Seed	Identification and Quantification Analysis of Soybean Event MON87708 Real Time PCR Metod	EURL Method (QT-EVE- GM-012), ISO 21570, ISO 24276 Kit Method (Eurofins GENESpin DNA Isolation Kit, Bosphore

ANNEX
HALAL ACCREDITATION SCOPE

Tested Materials / Products	Name of Test	Testing Method (National, International Standards, In-house Methods)
	Pre-treatment: DNA Extraction	Plant DNA Extraction Spin Kit) 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, Bosphore Plant DNA Extraction Spin Kit) 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, Bosphore Plant DNA Extraction Spin Kit) 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, Bosphore Plant DNA Extraction Spin Kit) ISO 21571
Food, Feed and Seed	Identification and Quantification Analysis of Oilseed Rape Event MON88302 Real Time PCR Metod Pre-treatment: DNA Extraction	EURL Method (QT-EVE- BN-010), ISO 21570, ISO 24276 Kit Method (Eurofins GENESpin DNA Isolation Kit, Bosphore Plant DNA Extraction Spin Kit) 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, Bosphore Plant DNA Extraction Spin Kit) 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, Bosphore Plant DNA Extraction Spin Kit) 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, Bosphore Plant DNA Extraction Spin Kit) ISO 21571
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, Bosphore Plant DNA Extraction Spin Kit) 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, Bosphore Plant DNA Extraction Spin Kit) ISO 21571

REPUBLIC OF TÜRKİYE

HALAL ACCREDITATION AGENCY

ANNEX

HALAL ACCREDITATION SCOPE

Tested Materials / Products	Name of Test	Testing Method (National, International Standards, In-house Methods)
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, Bosphore Plant DNA Extraction Spin Kit) 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, Bosphore Plant DNA Extraction Spin Kit) 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, Bosphore Plant DNA Extraction Spin Kit) 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 21569, ISO 24276 Kit Method (Eurofins GENESpin DNA Isolation Kit, Bosphore Plant DNA Extraction Spin Kit) 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, Bosphore Plant DNA Extraction Spin Kit) 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, Bosphore Plant DNA Extraction Spin Kit) 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, Bosphore Plant DNA Extraction Spin Kit) 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, Bosphore Plant DNA Extraction Spin Kit) ISO 21571
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, Bosphore Plant DNA Extraction Spin Kit) ISO 21571
Food, Feed and Seed	Identification and Quantification Analysis	EURL Method (QT-EVE- GM-013), ISO 21570, ISO 24276

ANNEX
HALAL ACCREDITATION SCOPE

Tested Materials / Products	Name of Test	Testing Method (National, International Standards, In-house Methods)
	of Soybean Event DAS-68416-4 Real Time PCR Metod Pre-treatment: DNA Extraction	Kit Method (Eurofins GENESpin DNA Isolation Kit, Bosphore Plant DNA Extraction Spin Kit) 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, Bosphore Plant DNA Extraction Spin Kit) 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, Bosphore Plant DNA Extraction Spin Kit) 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 2427 Kit Method (Eurofins GENESpin DNA Isolation Kit, Bosphore Plant DNA Extraction Spin Kit) ISO 21571
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, Bosphore Plant DNA Extraction Spin Kit) ISO 21571
Food, Feed and Seed	Identification and Quantification Analysis of Maize Event MON863 Real Time PCR Metod Pre-treatment: DNA Extraction	EURL METOT (QT-EVE- ZM-009), ISO 21570, ISO 24276 Kit Method (Eurofins GENESpin DNA Isolation Kit, Bosphore Plant DNA Extraction Spin Kit) 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, Bosphore Plant DNA Extraction Spin Kit) 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, Bosphore Plant DNA Extraction Spin Kit) 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, Bosphore Plant DNA Extraction Spin Kit) ISO 21571
Food, Feed and Seed	Identification and Quantification Analysis of Maize Event TC1507 Real Time PCR Metod	EURL METHOD (QT-EVE-ZM-010), ISO 21570, ISO 24276 Kit Method (Eurofins GENESpin DNA Isolation Kit, Bosphore Plant DNA Extraction Spin Kit)

ANNEX
HALAL ACCREDITATION SCOPE

Tested Materials / Products	Name of Test	Testing Method (National, International Standards, In-house Methods)
	Pre-treatment: DNA Extraction	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, Bosphore Plant DNA Extraction Spin Kit) 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, Bosphore Plant DNA Extraction Spin Kit) 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, Bosphore Plant DNA Extraction Spin Kit) ISO 21571
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, Bosphore Plant DNA Extraction Spin Kit) 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, Bosphore Plant DNA Extraction Spin Kit) 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, Bosphore Plant DNA Extraction Spin Kit) 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, Bosphore Plant DNA Extraction Spin Kit) 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, Bosphore Plant DNA Extraction Spin Kit) ISO 21571
Food, Feed and Seed	Identification and Quantification Analysis of Maize Event MON 87429 Real Time PCR Method Pre-treatment: DNA Extraction	EURL METHOD (QT- EVE-ZM-030), ISO 21570, ISO 24276 Kit Method (Eurofins GENESpin DNA Isolation Kit, Bosphore Plant DNA Extraction Spin Kit) ISO 21571
Food, Feed and Seed	Identification and Quantification Analysis	EURL METHOD (QT- EVE-

ANNEX
HALAL ACCREDITATION SCOPE

Tested Materials / Products	Name of Test	Testing Method (National, International Standards, In-house Methods)
	of Maize Event MON 95379 Real Time PCR Method Pre-treatment: DNA Extraction	ZM-033), ISO 21570, ISO 24276 Kit Method (Eurofins GENESpin DNA Isolation Kit, Bosphore Plant DNA Extraction Spin Kit) ISO 21571
Food, Feed and Seed	Identification and Quantification Analysis of Oilseed Rape Event MON 94100 Real Time PCR Method Pre-treatment: DNA Extraction	EURL METHOD (QT- EVE-BN-014), ISO 21570, ISO 24276 Kit Method (Eurofins GENESpin DNA Isolation Kit, Bosphore Plant DNA Extraction Spin Kit) ISO 21571
Food, Feed and Seed	Identification and Quantification Analysis of Cotton Event GHB 811 Real Time PCR Method Pre-treatment: DNA Extraction	EURL METHOD (QT- EVE-GH-013), ISO 21570, ISO 24276 Kit Method (Eurofins GENESpin DNA Isolation Kit, Bosphore Plant DNA Extraction Spin Kit) ISO 21571
Food, Feed and Seed	Identification and Quantification Analysis of Soybean Event GMB 151 Real Time PCR Method Pre-treatment: DNA Extraction	EURL METHOD (QT- EVE-GM-018), ISO 21570, ISO 24276 Kit Method (Eurofins GENESpin DNA Isolation Kit, Bosphore Plant DNA Extraction Spin Kit) ISO 21571
Food, Feed and Seed	Identification and Quantification Analysis of Oilseed Rape Event DP-073496-4 Real Time PCR Method Pre-treatment: DNA Extraction	EURL METHOD (QT- EVE-BN-009), ISO 21570, ISO 24276 Kit Method (Eurofins GENESpin DNA Isolation Kit, Bosphore Plant DNA Extraction Spin Kit) ISO 21571
Food, Feed and Seed	GMO Screening Analysis (p35S, tNOS, pFMV) Real Time PCR Method Pre-treatment: DNA Extraction	Kit Method (Bosphore GMO Screening S35- TNOS-FMV Test Kit), ISO 21569, ISO 24276 Kit Method (Eurofins GENESpin DNA Isolation Kit, Bosphore Plant DNA Extraction Spin Kit) ISO 21571
Food, Feed and Seed	GMO Screening Analysis (p35S, tNOS, pFMV) Real Time PCR Method Pre-treatment: DNA Extraction	EURL METHOD (QL-ELE- 00-012 / QL-ELE-00-015), ISO 21569, ISO 24276 Kit Method (Eurofins GENESpin DNA Isolation Kit, Bosphore Plant DNA Extraction Spin Kit) ISO 21571
Food, Feed and Seed	Identification and Quantification Analysis of Maize Event MON87419 Real Time PCR Method Pre-treatment: DNA Extraction	EURL METHOD (QT-EVEZM-029), ISO 21569, ISO 24276 Kit Method (Eurofins GENESpin DNA Isolation Kit, Bosphore Plant DNA Extraction Spin Kit) ISO 21571
Food, Feed and Seed	Identification and Quantification Analysis of Maize Event DP915635 Real Time PCR Method Pre-treatment: DNA Extraction	EURL METHOD (QT-EVEZM-031), ISO 21569, ISO 24276 Kit Method (Eurofins GENESpin DNA Isolation Kit, Bosphore Plant DNA Extraction Spin Kit) ISO 21571
Food, Feed and Seed	Identification and Quantification Analysis	EURL METHOD (QT-EVEZM-035), ISO 21569, ISO 24276

ANNEX
HALAL ACCREDITATION SCOPE

Tested Materials / Products	Name of Test	Testing Method (National, International Standards, In-house Methods)
	of Maize Event DP23211 Real Time PCR Method Pre-treatment: DNA Extraction	Kit Method (Eurofins GENESpin DNA Isolation Kit, Bosphore Plant DNA Extraction Spin Kit) ISO 21571
Yoghurt and Cheese	Determination of Organic Acids (Oxalic Acid, Formic Acid, Pyruvic Acid, Lactic Acid, Acetic Acid, Citric Acid, Succinic Acid, Propionic Acid, Butyric Acid)	In-house Method-" GEB-TL-63 Rev. No 02" Modified from :DOI:10.1016/j.talanta.2016.01.061)
Lactic Acid Bacteria	Sequencing 16S Gene Ribo Printer Method PreTreatment:coRI enzyme treatment	Kit Method (Ribo Printer Kit Procedure) Kit Method (EcoRI Enzyme Kit)
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 (GeneMATRİX Tissue Bacterial 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 (GeneMATRİX Tissue Bacterial DNA extraction kit) Kit Method (iQuant kit procedure)
Lactic acid bacteria	Microorganism Species Identification Analysis VITEKS 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
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;	In-house Method- "KKB-TL-18 Rev. No 06" (Modified from EPA 508)

Tested Materials / Products	Name of Test	Testing Method (National, International Standards, In-house Methods)
	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	
Water	Determination of OrganoChlorine Pesticides (Aldrin; Alpha Endosulfan; Alpha HCH; Beta Endosulfan; Beta HCH; Delta HCH; Endosulfan Sulfate; Endrin; Gamma-HCH; Heptachlor; Heptachlor exo (cis iso B); Hexachlorobenzene; p,p-DDD (4,4-DDD); p,p-DDE (4,4-DDE); p,p-DDT (4,4-DDT); trifluralinn.) Pre-treatment: Solvent Extraction Measurement: GC-ECD Method	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 06" (Modified from EPA 508)
Water	Determination of Organophosphorus Pesticides	In-house Method- "KKB-TL-18 Rev. No 06" (Modified from EPA 508)

ANNEX
HALAL ACCREDITATION SCOPE

Tested Materials / Products	Name of Test	Testing Method (National, International Standards, In-house Methods)
	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; Prothiofhos; Pyrazophos; Pyridaphenthion; Quinalphos; Sulfotep; Sulprofos; Terbufos; Tetrachlorvinphos; Triazophos Pre-treatment: Solvent extraction Measurement: GC-MS/MS Method	
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	EPA 3510 C 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 Measurememt: 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	TS EN ISO 15587-2 TS EN ISO 17294 (1/2)

ANNEX
HALAL ACCREDITATION SCOPE

Tested Materials / Products	Name of Test	Testing Method (National, International Standards, In-house Methods)
	(Se), Sodium (Na), Vanadium (V) Pre-treatment:Filtration Pre-treatment: Acidic Microwave Extraction Measurememt: 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 Pre-treatment: Distilation Method Measurement: Nesslerization Method	ASTM D1426 A
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 Pre-treatment: Solvent Extraction Method Measurement: Gravimetric Method	SM 5520 B
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 $SO4^{2-}$ 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

ANNEX
HALAL ACCREDITATION SCOPE

Tested Materials / Products	Name of Test	Testing Method (National, International Standards, In-house Methods)
Water	Determination of Total Phosphorus Pre-treatment: Extraction Method Measurement: Spectrophotometric Method	SM 4500-P B SM 4500-P E
Water	Determination of Total Kjeldahl Nitrogen Kjeldahl Method	AOAC 973.48
Water	Determination of Chloride, Chlorite, Nitrate, Nitrite, Orthophosphate, and Sulfate IC Method	EPA 300.1
Water	Determination of Phenol Pre-treatment: Distillation Method Measurement: Spectrophotometric Method	SM 5530 B SM 5530 D
Water	Determination of Free Cyanide Spectrophotometric Method	SM 4500-CN E
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-NH3 B SM 4500-NH3 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	SM 5520 B

REPUBLIC OF TÜRKİYE
HALAL ACCREDITATION AGENCY

ANNEX
HALAL ACCREDITATION SCOPE

Tested Materials / Products	Name of Test	Testing Method (National, International Standards, In-house Methods)
	Measurement: Gravimetric Method	
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 Chloride, Nitrite, Nitrate, 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
Waste Water	Determination of Bromide and Fluoride IC Method	EPA 300.0
Water	Determination of Bromide, and Fluoride IC Method	EPA 300.1