



REPUBLIC OF TURKEY  
HALAL ACCREDITATION AGENCY

# HALAL ACCREDITATION CERTIFICATE

**Laboratory Performing Halal Testing**

**REPUBLIC OF TÜRKİYE  
MINISTRY OF AGRICULTURE AND FORESTRY  
TEKİRDAĞ FOOD CONTROL LABORATORY DIRECTORATE**

Address : Hükümet Caddesi No:212 Süleymanpaşa / TEKİRDAĞ

**Accredited in accordance with the OIC/SMIIC 35:2020  
Standard for the attached scope.**

Halal Accreditation Number

**2022-011**

Halal Accreditation Scope

**Shown in annex**

Initial Halal Accreditation Date

**15.02.2022**

Expiry Date

**15.02.2027**

This certificate is valid with the halal accreditation scope until the expiry date, as long as the laboratory fully complies with the OIC/SMIIC 35:2020 Standard, national legislation and Halal Accreditation Agency rules.

**Zafer SOYLU**  
Chairman of the Board



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## ANNEX HALAL ACCREDITATION SCOPE

Testing Fields-Tested Materials/Products	Name of the Test	Testing Method (national, international standards, in-house methods)
Hazelnut, Pistachio and nuts	Determination of Aflatoxin B <sub>1</sub> and Total Aflatoxin (B <sub>1</sub> + B <sub>2</sub> + G <sub>1</sub> + G <sub>2</sub> ) HPLC-FLD Method	AOAC 991.31
Wheat	Determination of Aflatoxin B <sub>1</sub> and Total Aflatoxin (B <sub>1</sub> + B <sub>2</sub> + G <sub>1</sub> + G <sub>2</sub> ) HPLC-FLD Method	AOAC 991.31
	Determination of Ochratoxin A HPLC-FLD Method	AOAC 2000.03
Feed	Determination of Aflatoxin B <sub>1</sub> HPLC-FLD Method	AOAC 2003.02
	Determination of Zearalenone (ZON) HPLC-FLD Method	SOP "ATMT009/Rev.03" (Modified from R-Biopharm Rhone Ltd Ref No:A1-RP91.V5 Date:October 2009)
Grain	Determination of Zearalenone (ZON) HPLC-FLD Method	SOP "ATMT009/Rev.03" (Modified from R-Biopharm Rhone Ltd Ref No:A1-RP91.V5 Date:October 2009)
	Determination of Deoxynivalenol (DON) HPLC-DAD Method	SOP "ATMT010/Rev.01" (Modified from R-Biopharm Cereal Deoxynivalenol extraction method ref no: A1-P50.V1, Nisan 2003)
Milk	Determination of Aflatoxin M <sub>1</sub> HPLC-FLD Method	TS EN ISO 14501
Corn	Determination of Fumonisin (FB <sub>1</sub> and FB <sub>2</sub> ) HPLC-FLD Method	AOAC 2001.04



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### **HALAL ACCREDITATION SCOPE**

Testing Fields-Tested Materials/Products	Name of the Test	Testing Method (national, international standards, in-house methods)
Canned Seafood	Determination of Tin (Sn), Mercury (Hg) ICP-MS Method	NMKL 186
Food	Determination of Lead (Pb) ICP-MS Method	NMKL 186
Feed	Determination of Arsenic (As), Lead(Pb), Cadmium (Cd), Mercury (Hg) ICP-MS Method	NMKL 186
Cereal Products	Determination of Cadmium (Cd) ICP-MS Method	NMKL 186
Food Additives	Determination of Arsenic (As), Lead(Pb), Cadmium (Cd), Mercury (Hg) ICP-MS Method	NMKL 186
Food	Determination of Benzoic Acid and Sorbic Acid HPLC-UV/DAD Method	NMKL 124
Soft Drink	Determination of Caffeine HPLC-UV/DAD Method	JAOAC Vol 76 No:2
	Determination of Acesulfame K, Aspartame and Saccharine HPLC-UV/DAD Method	TS EN 12856
Seafoods	Determination of Histamine HPLC-UV/DAD Method	SOP "ATKK046/Rev.01" (Modified from JAOAC Vol. 76, No:3)
Kashar Cheese	Determination of Phosphorus Spectrophotometric Method	SOP "ATKK053/Rev.00" (Modified from TS ISO 2962)
Kashar Cheese	Determination of Phosphorus ICP-MS Method	NMKL 186
Kashar Cheese	Determination of Citric Acid Enzymatic Method	ISO/TS 2963



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Testing Fields-Tested Materials/Products	Name of the Test	Testing Method (national, international standards, in-house methods)
Kashar Cheese	Determination of Citric Acid HPLC-UV/DAD Method	SOP "ATKK056/Rev.00" (Modified from Jour of Food Science, 54 1076-1077 Journal of Food Science, 56 276-278 Journal of Chromatography Seperation Techniques, 8 1-5)
Food	Determination of Foods Containing Irradiated Bone ESR Spectroscopic Method	TS EN 1786
Food	Determination of Irradiated Foods Containing Cellulose ESR Spectroscopic Method	TS EN 1787
Food	Determination of irradiated food containing crystalline sugar ESR Spectroscopic Method	TS EN 13708
Food	Determination of irradiated food from which silicate minerals can be isolated Thermoluminescence Method	TS EN 1788
Animal feed	Determination of Crude Ash	TS ISO 5984
	Determination of Crude Oil	EC 152/2009
Grain and Grain products	Determination of Ash	TS EN ISO 2171
	Determination of Moisture and dry matter	products, continued)
Feed and feed raw materials	Determination of Moisture and dry matter	TS 6318



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### **HALAL ACCREDITATION SCOPE**

Testing Fields-Tested Materials/Products	Name of the Test	Testing Method (national, international standards, in-house methods)
Oily seeds	Determination of Moisture and Volatile Component	TS 1632 EN ISO 665
Oily seed residues	Determination of Moisture and Volatile Component	TS ISO 771
Wheat Flour	Determination of Sedimentation and suspended sedimentation	TS EN ISO 5529
Animal feed	Determination of Crude Protein Combustion Method	AOAC 990.03
Dairy product	Detection of Vegetable oil GC/FID Method	TS 7503
Yoghurt	Detection of Gelatin	AOAC 920.106
Animal and Vegetable Oil	Detection of Mineral oil	TS 5039
Bread	Determination of Salt content Titrimetric Method	TS 5000
Food	Yeast and Molds Count	ISO 21527-1
	Yeast and Molds Count	ISO 21527-2
Food (Fruit purees, cocoa and raw mushrooms, powdered milk, cereals, instant soups, ready-to-use cake mixes)	Coagulase Positive Staphylococci Count	AOAC 2009 bioMerieux TEMPO STA,80 002
Food	Aerobic Colony Count Pour plate technique	ISO 4833-1
	Coliform Bacteria Count Colony Count Technique	ISO 4832
	Coliform Bacteria Count EMS Technique	ISO 4831
	Detection of Salmonella spp.	TS EN ISO 6579
	Detection of Salmonella spp.	AFNOR BRD 07/11-12/05 RAPID' Salmonella Agar-V10
	Detection of Salmonella spp.	AOAC 2013.01 bioMerieux VIDAS UP SPT
	Escherichia coli Count	ISO 16649-2



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Testing Fields-Tested Materials/Products	Name of the Test	Testing Method (national, international standards, in-house methods)
Food (excluding dairy and dairy products)	Escherichia coli Count EMS Method	ISO/TS 16649-3
Food	Detection of Escherichia coli O157	ISO 16654
	Detection of Escherichia coli O157:H7	bioMerieux VIDAS UP O157ECPT
	Detection of Listeria monocytogenes	TS EN ISO 11290-1
	Detection of Listeria monocytogenes	AOAC 2013.11 bioMerieux VIDAS Listeria monocytogenes Xpress (LMX)
	Detection and Enumeration of Enterobacteriaceae Colony Counting Technique	TS ISO 21528-2
	Bacillus cereus Count Colony Counting Technique	TS EN ISO 7932
	Coagulase Positive Staphylococcus Count (Staphylococcus aureus and other species) Colony Counting Technique	ISO 6888-1
	Detection of Staphylococcal enterotoxins	bioMerieux VIDAS SET2 30705
Milk	Somatic Cells Count	TS EN ISO 13366-1 (IDF 148-1)
	Somatic Cells Count (Rapid Test)	BactoCount IBC & IBCm
	Aerobic Colony Count (Rapid Test)	Microval:2013 LR44 BactoCount IBC & IBCm



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### **HALAL ACCREDITATION SCOPE**

Testing Fields-Tested Materials/Products	Name of the Test	Testing Method (national, international standards, in-house methods)
Food (Products with high-fat and low-water level , with high-fat and medium- water level)	Detection and quantification analysis of some selected pesticides LC-MS/MS Method (Number of Selected Pesticides Analyzed is 161- Acephate; Acetamiprid; Acetochlor; Acrinathrin; Alachlor; Aldicarb; Aldicarb-Sulfone; Aldicarb-Sulfoxide; Atrazine; Azinphos-Ethyl; Azinphos-Methyl; Azoxystrobin; Benalaxyl; Bendiocarb; Benfuracarb; Bensulfuron-Methyl; Bentazone; Bitertanol; Boscalid; Bromuconazole; Bupirimate; Buprofezin; Cadusafos; Carbaryl; Carbendazim; Carbofuran; Carboxin; Carfentrazone-Ethyl; Chlorbromuron; Chlorfenvinphos; Chlorfluazuron; Chloridazon; Chloroxuron; Chlorpropham; Clodinafop-Propargyl; Clothianidin; Cyanazine; Cymoxanil; Cyproconazole; Deltamethrin; Demeton-S-Methyl; Demeton-S-Methylsulfone; Demeton-S-Methylsulfoxide; Desmedipham; Diazinon; Diclofop-Methyl; Dicrotophos; Diethofencarb; Difenconazole; Dimethoate; Dimethomorph; Dioxathion; Diuron; Epoconazole; Eptc; Ethiofencarb; Ethiofencarb-Sulfone; Ethiofencarb-Sulfoxide; Etoxazole; Famoxadone; Fenamidone; Fenamiphos; Fenarimol; Fenbuconazole; Fenhexamid; Fenoxaprop-P-Ethyl; Fenoxycarb; Fenpropathrin; Fenpyroximate)	SOP "ATKL003/Rev.02" (Modified from EN 15662)



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### **HALAL ACCREDITATION SCOPE**

Testing Fields-Tested Materials/Products	Name of the Test	Testing Method (national, international standards, in-house methods)
(Food (Products with high-fat and low-water level , with high-fat and medium- water level), continued)	(Fenthion; Fenthion-Sulfoxide; Fluazinam; Fludioxonil; Flusilazole; Flutriafol; Fluvalinate-Tau; Fosthiazate; Furathiocarb; Heptenophos; Hexaconazole; Hexaflumuron; Imazalil; Imidacloprid; Iprovalicarb; Kresoxim-Methyl; Lenacil; Linuron; Malaoxon; Malathion; Mecarbam; Metalaxyl; Metalaxyl-M; Metamitron; Methacrifos; Methamidophos; Methidathion; Methiocarb; Methiocarb-Sulfone; Methiocarb-Sulfoxide; Methomyl; Metobromuron; Metolachlor; Metoxuron; Metribuzin; Mevinphos; Molinate; Monocrotophos; Monolinuron; Myclobutanil; Omethoate; Oxadixyl; Oxamyl; Paraoxon-Ethyl; Penconazole; Pendimethalin; Phenmedipham; Phenthoate; Phorate; Phosalone; Phosmet; Phosphamidon; Pirimicarb; Pirimiphos-Methyl; Profoxydim; Promecarb; Propamocarb-Hydrochloride; Propaquizafop; Propazine; Propiconazole; Propoxur; Propyzamide; Prosulfuron; Pyraflufen-Ethyl; Pyrazophos; Pyridaphenthion; Pyrimethanil; Quinalphos; Simazine; Tebuconazole; Tebufenozide; Teflubenzuron; Terbufos; Terbutylazine; Terbutryn; Thiabendazole; Thiacloprid; Thiobencarb; Thiamethoxam; Thiodicarb; Thiometon; Thiophanate-Methyl; Tolyfluanid; Triadimefon; Triadimenol; Triasulfuron; Triazophos; Trichlorfon; Trifloxystrobin; Triflumizole; Triticonazole; Vamidothion)	SOP "ATKL003/Rev.02" (Modified from EN 15662)



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### **HALAL ACCREDITATION SCOPE**

Testing Fields-Tested Materials/Products	Name of the Test	Testing Method (national, international standards, in-house methods)
Food (Products with high-fat and very low-water level , with high-fat and medium water level)	Detection and quantification analysis of some selected pesticides GC-MS/MS Method (Number of Selected Pesticides Analyzed is 85-2,4 DDD; 2,4 DDE; 2,4 DDT; 4,4 DDD; 4,4 DDE; 4,4 DDT; Aldrin; Bifenthrin; Boscalid; Bromophos-Ethyl; Bromophos-Methyl; Bromopropylate; Captan; Chinomethionat; Chlordane-alpha; Chlordane-gamma; Chlorfenapyr; Chlorpropham; Chlorpyrifos-Methyl; Chlorthal-Dimethyl; Cycloate; Cyfluthrin-beta; Cypermethrin-alpha; Cyprodinil; Dazomet; Dichlorvos; Dichlofluanid; Diclofop-Methyl; Dieldrin; Dimethenamid; Diniconazole; Diphenamid; Diphenylamine; Endosulfan, alpha-; Endosulfan, beta-; Endosulfansulphate; Endrin; Epoxiconazole; Esfenvalerate; Ethalfuralin; Ethofumesate; Ethoprophos; Etofenprox; Fenamidone; Fenitrothion; Fenpropathrin; Fenthion; Fenvalerate; Fipronil; Fludioxonil; Flurochloridone; Folpet; Fonofos; Formothion; Haloxyfop-Methyl; HCH,alpha-; HCH,beta-; HCH,delta; HCH,gamma; Heptachlor; Heptachlorepoxyd,cis-; Heptachlorepoxyd,trans-; Hexachlorobenzene; Iprodione; MCPA; Methoxychlor; Nuarimol; Oxyfluorfen; Parathion-Ethyl;Parathion-Methyl; Phorate; Procymidone; Propyzamide; Prothifos; Quinoxyfen;Quintozene; Spiroxamine; Tecnazene; Tetrachlorvinphos; Tetraconazole; Tetradifon;Tolclofos-Methyl; Tri-Allate; Trifluralin; Vinclozolin)	SOP "ATKL004/Rev.02" (Modified from EN 15662)



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### **HALAL ACCREDITATION SCOPE**

Testing Fields-Tested Materials/Products	Name of the Test	Testing Method (national, international standards, in-house methods)
Food (Products with high-starch level or/ and protein ,with low-water and low-fat level)	Detection and quantification analysis of some selected pesticides LC-MS/MS Method (Number of Selected Pesticides Analyzed is 167- Acephate; Acetamiprid; Acetochlor; Acrinathrin; Alachlor; Aldicarb; Aldicarb-Sulfone; Aramite; Atrazine, Azinphos-Ethyl; Azinphos-Methyl; Azoxytobin; Benalaxyl; Bendiocarb; Benfuracarb; Bitertanol; Bromuconazole; Bupirimate; Buprofezin; Cadusafos; Carbaryl; Carbendazim; Carbofuran; Carboxin; Carfentrazone-Ethyl; Chlorbromuron; Chlorfenvinphos; Chlorfluazuron; Chloridazon; Chloroxuron; Chlorpyrifos; Clodinafop-Propargyl; Clofentezine; Clothianidin; Cyanazine; Cycloxydim; Cypermethrin; Cyproconazole; Deltamethrin; Demeton-S-Methylsulfone; Demeton-S-Methylsulfoxide; Demeton-S-Methyl; Desmedipham; Diafenthiuron; Dialifos; Diazinon; Dicrotophos; Diethofencarb; Difenoconazole; Dimethoate; Dimethomorph; Diuron; Eptc; Ethiofencarb; Ethiofencarb-Sulfone; Ethiofencarb-Sulfoxide; Ethion; Etoxazole; Famoxadone; Fenamiphos; Fenarimol; Fenazaquin; Fenbuconazole; Fenhexamid; Fenoxaprop-P-Ethyl; Fenoxycarb; Fenpyroximate; Fenthion-Sulfoxide; Fluazifop-P-Buthyl; Flufenoxuron; Flusilazole; Flutriafol; Fluvalinate-Tau; Fosthiazate; Furathiocarb; Heptenophos; Hexaflumuron; Hexythiazox; Imazalil; Imidacloprid; Iprovalicarb)	SOP "ATKL001 /Rev.09" (Modified from EN 15662)



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### **HALAL ACCREDITATION SCOPE**

Testing Fields-Tested Materials/Products	Name of the Test	Testing Method (national, international standards, in-house methods)
(Food (Products with high-starch level or/ and protein ,with low-water and low-fat level), continued)	(Kresoxim-Methyl; Lenacil; Linuron; Malaixon; Malathion; Mecarbam; Metalaxyl; Metalaxyl-M; Metamitron; Methacrifos; Methamidophos; Methidathion; Methiocarb; Methiocarb-Sulfone; Methiocarb-Sulfoxide; Methomyl; Metobromuron; Metolachlor; Metoxuron; Metribuzin; Mevinphos; Molinate; Monocrotophos; Monolinuron; Myclobutanil; Nuarimol; Omethoate; Oxadiazon; Oxadixyl; Oxamyl; Paraoxon-Ethyl; Penconazole; Pencycuron; Pendimethalin; Permethrin; Phenthoate; Phosalone; Phosmet; Phosphamidon; Phoxim; Pirimicarb; Pirimiphos-Ethyl; Primiphos-Methyl; Prochloraz; Profenofos; Promecarb; Prometryn; Propamocarb-Hydrochloride; Propaquizafop; Propargite; Propazine; Propiconazole; Propoxur; Pymetrozine; Pyraflufen-Ethyl; Pyrazophos; Pyridaben; Pyridaphention; Pyrimethanil; Pyriproxyfen; Quinalphos; Simazine; Tebuconazole; Tebufenozide; Tebufenpyrad; Teflubenzuron; Terbufos; Terbutylazine; Terbutryn; Thiabendazole; Thiacloprid; Thiamethoxam; Thiobencarb; Thiodicarb; Thiometon; Thiophanate-Methyl; Tolyfluanid; Tralkoxydim; Triadimefon; Triadimenol; Triasulfuron; Triazophos; Trifloxystrobin; Triflumizole; Triticonazole; Vamidothion)	SOP "ATKL001/Rev.09" (Modified from EN 15662)



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## **ANNEX** **HALAL ACCREDITATION SCOPE**

Testing Fields-Tested Materials/Products	Name of the Test	Testing Method (national, international standards, in-house methods)
Food (Products with high-starch or/and protein , with low-fat and low-water level)	Detection and quantification analysis of some selected pesticides GC-MS/MS Method (Number of Selected Pesticides Analyzed is 75- 2,4 - DDD; 2,4- DDE; 2,4- DDT; 4,4- DDD; 4,4- DDE; 4,4- DDT; Aldrin; Bifenthrin; Boscalid; Bromophos-Ethyl; Bromophos-Methyl; Bromopropylate; Chlordane-alpha; Chlordane-gamma; Chlorpropham,Chlorpyrifos-Methyl; Chlorthal-Dimethyl; Cycloate; Cyprodinil; Dazomet; Diclofluanide; Diclofop-Methyl; Dieldrin; Dimethenamid; Diniconazole; Diphenamid; Diphenylamine; Endosulfan,alpha-, Endosulfa,beta-; Endosulfansulfate; Endrin; Epoxiconazole; Esfenvalerate; Ethalfluralin; Ethofumesate; Ethoprophos; Etofenprox; Fenamidone; Fenitrothion; Fenpropathrin; Fenthion; Fenvalerate; Fludioxonil; Flurochloridone; Fonofos; Formothion; Haloxyfop-Methyl; HCH,alpha-; HCH,beta-; HCH,delta-; HCH,gamma-(Lindan); Heptachlor; Heptachlorepoxyd,cis-; Heptachlorepoxyd,trans-; Hexachlorobenzene; Iprodione; Methoxychlor; Oxyfluorfen; Parathion-Ethyl; Parathion-Methyl; Procymidone; Propyzamide; Prothiofos; Quinoxifen; Quintozene; Quizalofop-Ethyl; Tecnazene; Tetrachlorvinphos; Tetraconazole; Tetradifon; Tetrasul; Tolclofos-Methyl; Tri-Allate; Trifluralin; Vinclozolin)	SOP "ATKL005/Rev.02" (Modified from EN 15662)



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## **ANNEX** **HALAL ACCREDITATION SCOPE**

Testing Fields-Tested Materials/Products	Name of the Test	Testing Method (national, international standards, in-house methods)
Food (dairy products)	Detection and quantification analysis of some selected pesticides LC-MS/MS Method (Number of Selected Pesticides Analyzed is 177- Acephate; Acetamiprid; Acetochlor; Acrinathrin; Alachlor; Aldicarb; Aldicarb-Sulfone; Aramite; Atrazine; Azinphos-Ethyl; Azinphos-Methyl; Azoxystrobin; Benalaxyl; Bendiocarb; Benfuracarb; Bensulfuron-Methyl; Bitertanol; Boscalid; Bromuconazole; Bupirimate; Buprofezin; Cadusafos, Carbaryl; Carbendazim; Carbofuran; Carboxin; Carfentrazone-Ethyl, Chlorbromuron; Chlorfenvinphos; Chlorfluazuron, Chloridazon; Chloroxuron; Chlorpyrifos, Clethodim; Clodinafop-Propargyl; Clofentezine; Clothianidin; Cyanazine; Cycloate; Cycloxydim; Cyproconazole; Demeton-S-Methyl; Demeton-S-Methylsulfone; Demeton-S-Methylsulfoxide; Desmedipham; Dialifos; Diazinon; Dichlofluanid, Dicrotophos, Diethofencarb; Difenconazole; Dimethenamid; Dimethoate; Dimethomorph; Diniconazole; Diphenamid; Diuron; Epoxiconazole; EPTC; Ethiofencarb, Ethiofencarb-Sulfone; Ethiofencarb-Sulfoxide; Ethirimol; Ethoprophos; Etoxazole; Famoxadone; Fenamidone; Fenamiphos; Fenarimol; Fenbuconazole; Fenhexamid; Fenoxaprop-P-Ethyl; Fenoxycarb; Fenpyroximate)	SOP "ATKL006/Rev.02" (Modified from AOAC 2007.01)



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Testing Fields-Tested Materials/Products	Name of the Test	Testing Method (national, international standards, in-house methods)
(Food (dairy products), continued)	(Fenthion-Sulfoxide; Fipronil; Fluazifop-P-Butyl; Fluazinam; Flufenoxuron; Flusilazole; Flutriafol; Fluvalinate tau-; Fosthiazate; Furathiocarb; Haloxyfop-R-Methyl; Heptenophos; Hexaconazole; Hexaflumuron; Imazalil; Imidacloprid; Iprovalicarb; Kresoxim-Methyl; Lenacil; Linuron; Malaoxon; Malathion; Mecarbam; Metalaxyl; Metalaxyl-M; Metamitron; Methacrifos; Methamidophos; Methidathion; Methiocarb; Methiocarb-Sulfone; Methomyl; Metobromuron; Metolachlor; Metoxuron; Metribuzin; Mevinphos; Molinate; Monocrotophos; Monolinuron; Myclobutanil; Nuarimol; Omethoate; Oxadiazon; Oxadixyl; Oxamyl; Paraoxon; Penconazole; Pencycuron; Pendimethalin; Phenmedipham; Phenthoate; Phosalone; Phosmet; Phosphamidon; Phoxim; Pirimicarb; Pirimiphos-Ethyl; Pirimiphos-Methyl; Prochloraz; Profenofos; Promecarb; Prometryn; Propamocarb; Propaquizafop; Propargite; Propazine; Propiconazole; Propoxur; Propyzamide; Pymetrozine; Pyraflufen-Ethyl; Pyrazophos; Pyridaphention; Pyrimethanil; Quinalphos; Quizalofop-ethyl; Sethoxydim; Simazine; Tebuconazole; Tebufenozide; Terbufos; Terbutylazine; Terbutryn; Tetrachlorvinphos; Tetraconazole; Thiabendazole; Thiacloprid; Thiamethoxam; Thiobencarb; Thiodicarb; Thiometon; Thiophanate-Methyl; Tolyfluanid; Tralkoxydim; Triadimefon; Triadimenol; Triasulfuron; Triazophos; Trifloxystrobin; Triflumizole; Triticonazole; Vamidothion)	SOP "ATKL006/Rev.02" (Modified from AOAC 2007.01)



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<b>Testing Fields-Tested Materials/Products</b>	<b>Name of the Test</b>	<b>Testing Method (national, international standards, in-house methods)</b>
Food (dairy products)	Detection and quantification analysis of some selected pesticides GC-MS/MS Method (Number of Selected Pesticides Analyzed is 50- Alpha-Cypermethrin, Bifenthrin, Boscalid, Bromopropylate, Chlorfenapyr, Chlorpropham, Chlorpyrifos-Methyl, Chlorthal-Dimethyl, Cycloate, Cyfluthrin, beta-, Cyhalothrin, lambda-, Cyprodinil, Dazomet, Dichlorvos, Diclofop-Methyl, Dimethenamid, Diniconazole, Diphenamid, Diphenylamine, Endrin, Epoxiconazole, Ethofumesate, Ethoprophos, Etofenprox, Fenamidone, Fenitrothion, Fenpropathrin, Fenthion, Fipronil, Fludioxonil, Flurochloridone, Fonofos, Haloxyfop-Methyl, HCH, alpha-, HCH, beta-, HCH, delta-, HCH, gamma-(Lindan), Heptachlorepoxyd, cis-, Heptachlorepoxyd, trans-, Hexaconazole, Nuarimol, Phorate, Procymidone, Propyzamide, Prothiofos, Quizalofop-Ethyl, Tetraconazole, Tetradifon, Tolclofos-Methyl, Vinclozolin)	SOP "ATKL007/Rev.02" (Modified from AOAC 2007.01)



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Testing Fields-Tested Materials/Products	Name of the Test	Testing Method (national, international standards, in-house methods)
Food (Oils produced from animal origin foods)	Detection and quantification analysis of some selected pesticides LC-MS/MS Method (Number of Selected Pesticides Analyzed is 164- Acephate; Acetamiprid; Acetochlor; Alachlor; Aldicarb; Aramite; Atrazine; Azinphos-Ethyl; Azinphos-Methyl; Azoxystrobin; Benalaxyl; Bendiocarb; Bensulfuron-Methyl; Bitertanol; Boscalid; Bromuconazole; Bupirimate; Cadusafos, Carbaryl; Carbendazim; Carbofuran; Carboxin; Chlorbromuron; Chlorfenvinphos; Chlorfluazuron, Chloridazon; Chloroxuron; Clethodim; Clodinafop-Propargyl; Clofentezine; Clothianidin; Cyanazine; Cyproconazole; Demeton-S-Methyl; Demeton-S-Methylsulfone; Demeton-S-Methylsulfoxide; Desmedipham; Diafenthiuron; Dialifos; Diazinon; Dichlofluanid, Dicrotophos; Diethofencarb; Difenoconazole; Dimethenamid; Dimethoate; Dimethomorph; Diniconazole; Diphenamid; Diuron; Epoconazole; EPTC; Ethiofencarb; Ethiofencarb-Sulfone; Ethiofencarb-Sulfoxide; Ethion; Ethirimol; Ethoprophos; Etoxazole; Famoxadone; Fenamidone; Fenamiphos; Fenarimol; Fenbuconazole; Fenhexamid)	SOP "ATKL008/Rev.01" (Modified from AOAC 2007.01)



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## ANNEX HALAL ACCREDITATION SCOPE

Testing Fields-Tested Materials/Products	Name of the Test	Testing Method (national, international standards, in-house methods)
(Food (Oils produced from animal origin foods), continued)	(Fenoxaprop-P- Ethyl; Fenoxycarb; Fenpyroximate; Fenthion-Sulfoxide; Fluazifop-P-Butyl; Fludioxanil; Flufenoxuron; Flusilazole; Flutriafol; Fosthiazate; Furathiocarb; Haloxyfop-R-Methyl; Heptenophos; Hexaconazole; Hexaflumuron; Imazalil; Imidacloprid; Iprovalicarb; Kresoxim-Methyl; Lenacil; Linuron; Malaoxon; Malathion; Mecarbam; Metalaxyl; Metalaxyl-M; Metamitron; Methacrifos; Methamidophos; Methidathion; Methiocarb; Methiocarb-Sulfone; Methiocarb-Sulfoxide Methomyl; Metobromuron; Metolachlor; Metoxuron; Metribuzin; Mevinphos; Monocrotophos; Monolinuron; Myclobutanil; Nuarimol; Omethoate; Oxadiazon; Oxadixyl; Paraoxon; Penconazole; Pencycuron; Phenmedipham; Phenthoate; Phosmet; Phosphamidon; Phoxim; Pirimicarb; Pirimiphos-Ethyl; Pirimiphos-Methyl; Prochloraz; Profenofos; Promecarb; Prometryn; Propamocarb; Propaquizafop; Propazine; Propiconazole; Propoxur; Propyzamide; Pymetrozine; Pyraflufen-Ethyl; Pyrazophos; Pyridaphenthion; Pyrimethanil; Quinalphos; Quizalofop-ethyl; Sethoxydim; Simazine; Tebuconazole; Tebufenozide; Terbutylazine; Terbutryn; Tetrachlorvinphos; Tetraconazole; Thiabendazole; Thiacloprid; Thiamethoxam; Thiobencarb; Thiodicarb; Thiometon; Thiophanate-Methyl; Tolyfluanid; Tralkoxydim; Triadimefon; Triadimenol; Triasulfuron; Triazophos; Trifloxystrobin; Triflumizole; Triticonazole; Vamidothion)	SOP "ATKL008/Rev.01" (Modified from AOAC 2007.01)



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## ANNEX HALAL ACCREDITATION SCOPE

Testing Fields-Tested Materials/Products	Name of the Test	Testing Method (national, international standards, in-house methods)
Food (Products with high water level , with high-acid and high-water level)	Detection and quantification analysis of some selected pesticides LC-MS/MS Metodu (Number of Selected Pesticides Analyzed is 209 -Acephate; Acetamiprid; Acetochlor; Acrinathrin; Alachlor; Aldicarb; Aldicarb-Sulfone; Aldicarb-Sulfoxide; Aramite; Atrazine; Azimsulfuron; Azinphos-Ethyl; Azinphos-Methyl; Azoxystrobin; Benalaxyl; Bendiocarb; Bensulfuron-Methyl; Bifenthrin; Bitertanol; Boscalid; Bromuconazole; Bupirimate; Buprofezin; Cadusafos, Carbaryl; Carbendazim; Carbofuran; Carboxin; Carfentrazone-Ethyl; Chlorbromuron; Chlorfenvinphos; Chlorfluazuron, Chloridazon; Chloroxuron; Chlorpyrifos- Ethyl; Chlorpyrifos-Methyl; Chlorsulfuron; Clethodim; Clodinafop-Propargyl; Clofentezine; Clothianidin; Cyanazine; Cycloate; Cycloxydim; Cymoxanil; Cypermethrin; Cyproconazole; Cyprodinil; Deltamethrin; Demeton-S-Methyl; Demeton-S-Methylsulfone; Desmedipham; Diafenthiuron; Dialifos; Diazinon; Dichlofluanid; Dichlorvos; Diclofop-Methyl; Dicrotophos; Diethofencarb; Difenoconazole; Dimethomorph; Dimethenamid; Dimethoate; Diniconazole; Diphenamid; Diuron; EPTC; Epoxiconazole; Ethiofencarb; Ethiofencarb-Sulfone; Ethiofencarb-Sulfoxide; Ethion; Ethirimol; Ethoprophos; Etofenprox; Etoxazole; Etrimfos; Famoxadone; Fenbuconazole; Fenamidone; Fenamiphos; Fenarimol; Fenazaquin; Fenhexamid; Fenoxaprop-P-Ethyl; Fenoxycarb; Fenpropathrin; Fenpyroximate; Fenthion; Fenthion-Sulfoxide; Fipronil; Fluazifop-P-Butyl; Fluazinam; Fludioxonil; Flufenoxuron; Flusilazole; Flutriafol; Fluvalinate-tau; Fosthiazate; Furathiocarb)	SOP "ATKL010/Rev.02" (Modified from EN 15662)



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## ANNEX HALAL ACCREDITATION SCOPE

Testing Fields-Tested Materials/Products	Name of the Test	Testing Method (national, international standards, in-house methods)
(Food (Products with high water level , with high-acid and high-water level), continued)	(Haloxypop-R-Methyl; Heptenophos; Hexaconazole; Hexaflumuron; Hexythiazox; Imazalil; Imidacloprid; Iodosulfuron-Methyl-Sodium; Iprovalicarb; Kresoxim-Methyl; Lenacil; Linuron; Malaoxon; Malathion; Mecarbam; Metalaxyl; Metalaxyl-M; Metamitron; Methacrifos; Methamidophos; Methidathion; Methiocarb; Methiocarb-Sulfone; Methiocarb-Sulfoxide; Methomyl; Metobromuron; Metolachlor; Metoxuron; Metribuzin; Metsulfuron-methyl; Mevinphos; Molinate; Monocrotophos; Monolinuron; Myclobutanil; Omethoate; Oxadiazon; Oxadixyl; Oxamyl; Paraoxon-Ethyl; Penconazole; Pencycuron; Pendimethalin; Permethrin; Phenmedipham; Phenthoate; Phorate; Phosalone; Phosmet; Phosphamidon; Phoxim; Pirimicarb; Pirimiphos-Ethyl; Pirimiphos-Methyl; Prochloraz; Profenofos; Profoxydim; Promecarb; Prometryn; Propamocarb Hydrochloride; Propaquizafop; Propargite; Propazine; Propiconazole; Propoxur; Propyzamide; Prosulfuron; Pymetrozine; Pyraflufen-Ethyl; Pyrazophos; Pyridaphention; Pyridate; Pyridoben; Pyrimethanil; Pyriproxyfen; Quinalphos; Quizalofop-ethyl; Rimsulfuron; Sethoxydim; Spiroxamine; Tebuconazole; Tebufenozide; Tebufenpyrad; Tepraloxydim; Terbufos; Terbutylazine; Terbutryn; Tetrachlorvinphos; Tetraconazole; Thiabendazole; Thiacloprid; Thiobencarb; Thiodicarb; Thiofensulfuron-Methyl; Thiamethoxam; Thiometon; Thiophanate-Methyl; Tolyfluanid; Tralkoxydim; Triadimefon; Triadimenol; Triasulfuron; Triazophos; Tridemorph; Trifloxystrobin; Triflumizole; Triticonazole; Vamidothion)	SOP "ATKL010/Rev.02" (Modified from EN 15662)



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## ANNEX HALAL ACCREDITATION SCOPE

Testing Fields-Tested Materials/Products	Name of the Test	Testing Method (national, international standards, in-house methods)
Food (Products with high water level , with high-acid and high-water level)	Detection and quantification analysis of some selected pesticides GC-MS/MS Method (Number of Selected Pesticides Analyzed is 57-2,4- DDD; 2,4- DDE; 4,4- DDD; 4,4- DDE; Bifenthrin; Boscalid; Bromophos-Ethyl; Bromopropylate; Chinomethionat; Chlordane-alpha; Chlordane-gamma; Chlorpropham; Chlorthal-Dimethyl; Cycloate; Cyprodinil; Dazomet; Diclofop-Methyl; Dieldrin; Dimethenamid; Diniconazole; Diphenamid; Diphenylamine; Endosulfan,alpha-, Endosulfa,beta-; Endrin; Epoxiconazole; Ethofumesate; Ethoprophos; Etofenprox; Fenamidone; Fenpropathrin; Fenthion; Fipronil; Fludioxonil; Fonofos; Haloxyfop-Methyl; HCH,beta-; HCH,delta-; HCH,gamma; Heptachlor; Heptachlorepoxyd,cis-; Heptachlorepoxyd,trans-; Hexachlorobenzene; Hexaconazole; MCPA; Procymidone, Propyzamide, Prothiofos; Qinoxyfen; Quizalofop-Ethyl, Spiroxamine; Tetraconazole, Tetradifon; Tetrasul; Tolclofos-Methyl, Tri-Allate; Vinclozolin)	SOP "ATKL011/ Rev.02" (Modified from EN 15662)



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## **ANNEX**

### **HALAL ACCREDITATION SCOPE**

Testing Fields- Tested Materials/Products	Name of the Test	Testing Method (national, international standards, in- house methods)
Food,Feed,Seed	GMO Screening Analysis (p35S, tNOS, pFMV) Real Time PCR Method Pre-treatment: DNA Extraction	Kit Method (Eurofins GeneScan GMO Screen RT 35S/NOS/FMV IPC), ISO 21569, ISO 24276 Kit Method (Eurofins GeneScan GeneSpin DNA Extraction Kit), ISO 21571 Kit Method (Analytik Jena InnuPrep Food DNA Kit IPC-16 Manual), ISO 21571
Food, Feed, Seed	Detection of Plant-Specific Soybean Gene Real Time PCR Method Pre-treatment: DNA Extraction	EURL Method, (QT-TAX-GM-002) ISO 21569, ISO 24276 Kit Method (Eurofins GeneScan GeneSpin DNA Extraction Kit), ISO 21571 Kit Method (Analytik Jena InnuPrep Food DNA Kit IPC-16 Manual), ISO 21571
Food,Feed,Seed	Detection of Plant-Specific Cotton Gene Real Time PCR Method Pre-treatment: DNA Extraction	EURL Method (QT-TAX- GH-015) ISO 21569, ISO 24276 Kit Method (Eurofins GeneScan GeneSpin DNA Extraction Kit), ISO 21571 Kit Method (Analytik Jena InnuPrep Food DNA Kit IPC-16 Manual), ISO 21571



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### **HALAL ACCREDITATION SCOPE**

<b>Testing Fields-Tested Materials/Products</b>	<b>Name of the Test</b>	<b>Testing Method (national, international standards, in-house methods)</b>
Food,Feed,Seed	MON 87701 'SOY' event identification Real Time PCR Methodu Pre-treatment: DNA Extraction	EURL Method (QT-EVE-GM-010) ISO 24276, ISO 21569 Kit Method (Eurofins GeneScan GeneSpin DNA Extraction Kit), ISO 21571 Kit Method (Analytik Jena InnuPrep Food DNA Kit IPC-16 Manual), ISO 21571
Food,Feed,Seed	MON87769 'SOY' event identification Real Time PCR Methodu Pre-treatment: DNA Extraction	EURL Method (QT-EVE-GM-002) ISO 21569, ISO 24276 Kit Method (Eurofins GeneScan GeneSpin DNA Extraction Kit), ISO 21571 Kit Method (Analytik Jena InnuPrep Food DNA Kit IPC-16 Manual), ISO 21571
Food,Feed,Seed	3006-210-23 'COTTON' event identification Real Time PCR Methodu Pre-treatment: DNA Extraction	EURL Method (QT-EVE-GH-001b) ISO 21569, ISO 24276 Kit Method (Eurofins GeneScan GeneSpin DNA Extraction Kit), ISO 21571 Kit Method (Analytik Jena InnuPrep Food DNA Kit IPC-16 Manual), ISO 21571



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## ANNEX HALAL ACCREDITATION SCOPE

Testing Fields-Tested Materials/Products	Name of the Test	Testing Method (national, international standards, in-house methods)
Food,Feed,Seed	GHB614 'COTTON' event identification Real Time PCR Methodu Pre-treatment: DNA Extraction	EURL Method (QT-EVE-GH-006) ISO 21569, ISO 24276 Kit Method (Eurofins GeneScan GeneSpin DNA Extraction Kit), ISO 21571 Kit Method (Analytik Jena InnuPrep Food DNA Kit IPC-16 Manual), ISO 21571
Food.Feed,Seed	MON87708 'SOY' event identification Real Time PCR Methodu Pre-treatment: DNA Extraction	EURL Method (QT-EVE-GM-012) ISO 21569, ISO 24276 Kit Metodu (Eurofins GeneScan GeneSpin D Extraction Kit), ISO 21571 Kit Method (Analytik Jena InnuPrep Food DN Kit IPC-16 Manual), ISO 21571
Food,Feed,Seed	DP305423 'SOY' event identification Real Time PCR Methodu Pre-treatment: DNA Extraction	EURL Method (QT-EVE-GM-008) ISO 21569, ISO 24276 Kit Method (Eurofins GeneScan GeneSpin D Extraction Kit), ISO 21571 Kit Method (Analytik Jena InnuPrep Food DN Kit IPC-16 Manual), ISO 21571
Food,Feed,Seed	CV127 'SOY' event identification Real Time PCR Methodu Pre-treatment: DNA Extraction	EURL Method (QT-EVE-GM-011) ISO 21569, ISO 24276 Kit Method (Eurofins GeneScan GeneSpin D Extraction Kit), ISO 21571 Kit Method (Analytik Jena InnuPrep Food DN Kit IPC-16 Manual), ISO 21571



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## **ANNEX** **HALAL ACCREDITATION SCOPE**

Testing Fields-Tested Materials/Products	Name of the Test	Testing Method (national, international standards, in-house methods)
Food,Feed,Seed	281-24-236 'COTTON' event identification Real Time PCR Method Pre-treatment: DNA Extraction	EURL Method (QT-EVE-GH-001a) ISO 21569, ISO 24276 Kit Method (Eurofins GeneScan GeneSpin DNA Extraction Kit), ISO 21571 Kit Method (Analytik Jena InnuPrep Food DNA Kit IPC-16 Manual), ISO 21571
Food,Feed,Seed	Detection of Plant-Specific Maize Gene Real Time PCR Method Pre-treatment: DNA Extraction	EURL Method, (QT-TAX-ZM-002) ISO 21569, ISO 24276 Kit Method (Eurofins GeneScan Genespin DNA Extraction Kit), ISO 21571 Kit Method (Analytik Jena InnuPrep Food DNA Kit IPC-16 Manual), ISO 21571
Food,Feed,Seed	DAS40278-9 'MAIZE' event identification Real Time PCR Method Pre-treatment: DNA Extraction	EURL Method, (QT-EVE-ZM-004) ISO 21569, ISO 24276 Kit Method (Eurofins GeneScan Genespin DNA Extraction Kit), ISO 21571 Kit Method (Analytik Jena InnuPrep Food DNA Kit IPC-16 Manual), ISO 21571
Food,Feed,Seed	DAS 44406-6 'SOY' event identification Real Time PCR Method Pre-treatment: DNA Extraction	EURL Method, (QT-EVE-GM-015) ISO 21569, ISO 24276 Kit Method (Eurofins GeneScan Genespin DNA Extraction Kit), ISO 21571 Kit Method (Analytik Jena InnuPrep Food DNA Kit IPC-16 Manual), ISO 21571



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### **HALAL ACCREDITATION SCOPE**

<b>Testing Fields-Tested Materials/Products</b>	<b>Name of the Test</b>	<b>Testing Method (national, international standards, in-house methods)</b>
Food,Feed,Seed	DAS 68416-4 'SOY' event identification Real Time PCR Method Pre-treatment: DNA Extraction	EURL Method, (QT-EVE-GM-013) ISO 21569, ISO 24276 Kit Method (Eurofins GeneScan Genespin DNA Extraction Kit), ISO 21571 Kit Method (Analytik Jena InnuPrep Food DNA Kit IPC-16 Manual), ISO 21571
Food,Feed,Seed	DAS 81419-2 'SOY' event identification Real Time PCR Method Pre-treatment: DNA Extraction	EURL Method, (QT-EVE-GM-014) ISO 21569, ISO 24276 Kit Method (Eurofins GeneScan Genespin DNA Extraction Kit), ISO 21571 Kit Method (Analytik Jena InnuPrep Food DNA Kit IPC-16 Manual), ISO 21571
Food,Feed,Seed	MON 87751 'SOY' event identification Real Time PCR Method Pre-treatment: DNA Extraction	EURL Method (QT- EVE-GM-016) ISO 21569, ISO 24276 Kit Method (Eurofins GeneScan Genespin DNA Extraction Kit), ISO 21571
Meat and Meat Products	Identification of Species (Searching of Pork, Horse and Donkey meat) Real Time PCR Method Pre-treatment: DNA Extraction	Kit Method (Eurofins GeneScan DNA Animal Screen Halal) Kit Method (Analytik Jena InnuPrep Food DNA Kit IPC-16 Manual), ISO 21571
Gelatin	Identification of Species (Searching of Pork, Cattle, Fish Meat) Real Time PCR Method Pre-treatment: DNA Extraction	Kit Method (Analytik Jena PME Gelatin DNA Kit, Eurofins DNA Animal Ident Pig HS kit, Eurofins DNA Animal Screen Fish Kit, Eurofins DNA Animal Ident Beef kit)