



REPUBLIC OF TURKEY  
HALAL ACCREDITATION AGENCY

# HALAL ACCREDITATION CERTIFICATE

**Laboratory Performing Halal Testing**

**EUROFINS ISTANBUL FOOD CONTROL LABORATORY**

Address : Kozyatađı Mah. Sitma Pınar Sok. No:2/1/1 Kadıköy / ISTANBUL

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

Halal Accreditation Number

**2024-046**

Halal Accreditation Scope

**Shown in annex**

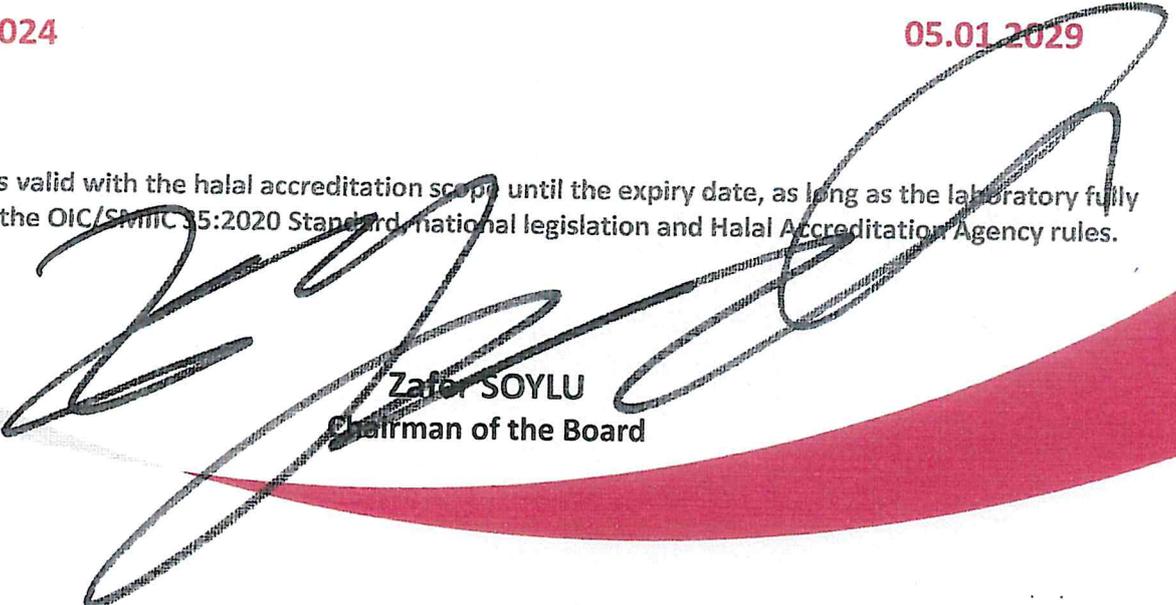
Initial Halal Accreditation Date

**05.01.2024**

Expiry Date

**05.01.2029**

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



REPUBLIC OF TURKEY  
HALAL ACCREDITATION AGENCY

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

Testing Fields-Tested Materials/Products	Name of the Test	Testing Method (national, international standards, in-house methods)
Food	Determination of Arsenic (As), Copper (Cu), Mercury (Hg), Zinc (Zn), Iron (Fe), Phosphorus (P), Cadmium (Cd), Calcium (Ca), Lead (Pb), Magnesium (Mg), Manganese (Mn), Nickel (Ni), Potassium (K), Selenium (Se) Sodium (Na) ICP-MS Method	NMKL 186
Food	Determination of Tin (Sn) ICP-MS Method	NMKL 191
Ceramic Ware	Determination of the Release of Cadmium (Cd) and Lead (Pb) ICP-MS Method	TGK 2012/30 TS EN 1388-1
Water	Aluminum (Al), Arsenic (As), Copper (Cu), Mercury (Hg), Zinc (Zn) Iron (Fe), Phosphorus (P), Cadmium (Cd), Tin (Sn), Calcium (Ca), Cobalt (Co), Chromium (Cr), Lead (Pb), Magnesium (Mg), Manganese (Mn), Nickel (Ni), Potassium (K), Selenium (Se), Sodium (Na) Pre-Treatment: Acidic Extraction ICP-MS Method	TS EN ISO 17294-1/2
Cereals and Cereal Products	Determination of Aflatoxin B1 and Total (B1+B2+G1+G2) HPLC-FLD Method	AOAC 999.07 R-Biopharm Aflatoxin Extraction Method
Baby Foods for Infants and Young Children	Determination of Aflatoxin B1 HPLC-FLD Method	AOAC 999.07 R-Biopharm Aflatoxin Extraction Method
Nuts, Oilseeds and Products	Determination of Aflatoxin B1 and Total (B1+B2+G1+G2) HPLC-FLD Method	AOAC 999.07 JAOAC 88:2
Red Pepper	Determination of Aflatoxin B1 and Total (B1+B2+G1+G2) HPLC-FLD Method	AOAC 999.07 R- Biopharm Aflatoxin Extraction Method
Dried Fruits and Products	Determination of Aflatoxin B1 and Total (B1+B2+G1+G2) HPLC-FLD Method	AOAC 999.07
Spices and Spice Mixes	Determination of Aflatoxin B1 and Total (B1+B2+G1+G2)	AOAC 999.07



REPUBLIC OF TURKEY  
HALAL ACCREDITATION AGENCY

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

	HPLC-FLD Method	
Milk and Milk Powder, Infant Formula, Whey Powder, Cheese & Varieties, Ayran, Yoghurt	Determination of Aflatoxin M1 HPLC-FLD Method	In House Method - 'AY.GKL.322/Rev. No:8'' (AOAC 2000.08, R-Biopharm P04.V12 modified.)
Baby Foods for Infants and Young Children	Determination of Deoxynivalenol (DON) HPLC-UV/DAD Method	In House Method-'AY.GKL.337/Rev. No:3'' (R- Biopharm A2-P50.V2, P50.V8 modified.)
Cereals and Cereal Products	Determination of Deoxynivalenol (DON) HPLC-UV/DAD Method	In House Method -''AY.GKL.337- 343/Rev. No:3'' (R-Biopharm A1-P50.V2, P50.V8 modified.)
Cereals and Cereal Products, Cereal Based Baby Foods for Infants and Young Children	Determination of Ochratoxin A HPLC-FLD Method	AOAC 2000.03
Coffee	Determination of Ochratoxin A HPLC-FLD Method	AOAC 2000.09
Dried Fruits	Determination of Ochratoxin A HPLC-FLD Method	In House Method-'AY.GKL.259/Rev. No:8'' (AOAC 2000.03 R-Biopharm Application Notes modified)
Spices	Determination of Ochratoxin A HPLC-FLD Method	In House Method-'AY.GKL.376/Rev.No:0'' (R-Biopharm Application Notes (A20-P14.V9) modified
Concentrated Apple Juice, Apple Juice, Fruit Juice and Purees, Baby Foods for Infants and Young Children	Determination of Patulin HPLC Method	ISO 8128-1 AOAC 995.10 TS EN 14177
Baby Foods for Infants and Young Children	Determination of Zearalenone (ZON) HPLC-FLD Method	In House Method -''AY.GKL.332/Rev. No:3'' (R-Biopharm A4-RP91.V1, RP91.V12 modified.)
Cereals and Cereal Products	Determination of Zearalenone (ZON) HPLC-FLD Method	In House Method -''AY.GKL.332-344/Rev. No:3'' (R-Biopharm A1-RP91.V3, RP91.V12 modified.)



REPUBLIC OF TURKEY  
HALAL ACCREDITATION AGENCY

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

Fat, Oils and Extracted Oils	Determination of Polycyclic Aromatic Hydrocarbons (PAH) [4-parameters Benzo(a) anthracene, Chrysene, Benzo(b) fluoranthene, Benzo (a) pyrene] HPLC-FLD Method	In House Method- "AY.GKL.342/Rev. No:3" (J.Sep. Sci. 25 modified.)
Baby Foods for Infants and Young Children	Determination of Polycyclic Aromatic (PAH) Hydrocarbons [4-parameters Benzo(a) anthracene, Chrysene, Benzo(b) fluoranthene, Benzo (a) pyrene] HPLC-FLD Method	In House Method- "AY.GKL.342/Rev. No:3" (J.Sep. Sci. 25 modified.)
Fruit and Vegetable Products	Determination of Nitrate HPLC-UV/DAD Method	TS EN 12014-2
Baby Foods for Infants and Young Children	Determination of Nitrate HPLC-UV/DAD Method	TS EN 12014-2
Seafood (Fish, Shrimp, Mussel, etc.)	Determination of Histamine HPLC-UV/DAD Method	NMKL 196
Oils, Extracted Oils	Determination of Antioxidant (BHA, BHT) HPLC-DAD Method	AOAC 983.15
Food	Determination of Acesulfam - K, Aspartame, Saccharin HPLC-UV/DAD Method	AOAC Int Vol.76
Food	Determination of Benzoic Acid and Sorbic Acid HPLC-UV/DAD Method	Food Chemistry Vol. 82 J. of Food Comp. and Analysis No: 12
Confectionery	Determination of PHB (Methyl-Ethyl P-Hydroxybenzoate) HPLC-UV/DAD Method	NMKL 124
Nonalcoholic Beverages	Determination of Quinine HPLC-UV/DAD Method	TS 12625
Milk Products	Determination of Vegetable Fat GC-FID Method	TS 7503 TS 7501 Official Journal of the European Union
Fruit and Vegetable Products	Determination of Hydroxymethylfurfural (HMF) HPLC-UV/DAD Method	IFU Analysis 69
Coffee	Determination of Caffeine HPLC-UV/DAD Method	TS ISO 20481



REPUBLIC OF TURKEY  
HALAL ACCREDITATION AGENCY

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

Tea	Determination of Caffeine HPLC-UV/DAD Method	TS ISO 10727
Non-Alcoholic Beverages, Energy Drinks and Sportsman Drinks	Determination of Caffeine HPLC-UV/DAD Method	AOAC 979.08 J. of FS. Vol.48
Food	Determination of Cholesterol GC-FID Method	AOAC 994.10
Infant Formula and Follow-on Formula, Milk Powder	Determination of Melamine HPLC-UV/DAD Method	In House Method -AY.GKL.341 (R-Biopharm P111 modified.)
Food	Determination of Sugar Composition (Fructose, Glucose, Sucrose, Lactose, Maltose) HPLC-RID Method	AOAC 980.13 AOAC 977.20 J. of AFC Vol.29
Food	Determination of Sucralose HPLC-RID Method	TS EN 16155
Non-Alcoholic Beverages, Fruit Juices and Nectars	Determination of Ethyl Alcohol HS –GC- FID Method	In House Method ‘AY.GKL.361/Rev.No:1’’ (AOAC 983.13, GC App. Notes modified.)
Food	Determination of Synthetic Water-Soluble Colors in Food (E102-Tartazine, E104-Quinoline Yellow, E110-Sunset Yellow, E122-Carmosine, E123-Amaranth, E124-Ponceau, E129-Allura Red, E131-Patent Blue, E132-Indigotine, E133-Brilliant Blue) HPLC-DAD Method	In House Method -‘‘AY.GKL.352/Rev.No:1’’ (Food Survey Inf. No:37/03, Food Survey Inf. No:23/02 modified.)
Food	Determination of Vitamin A (Retinol, Retinol Acetate) HPLC-FLD Method	In House Method ‘‘AY.GKL.329/Rev.No:2’’ (Analytical Methods for Vitamins and Carotenoids, Roche modified.)
Food	Determination of Vitamin B1 (Thiamine, Thiamine HCl) HPLC-UV/DAD Method	J. of AOAC Int.vol.85
Food	Determination of Vitamin B2 (Riboflavin) HPLC-FLD Method	Food Chemistry Vol: 56



REPUBLIC OF TURKEY  
HALAL ACCREDITATION AGENCY

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

Food	Determination of Vitamin B3 (Niacin) HPLC-UV/DAD Method	J. of AOAC Int.vol.85
Food	Determination of Vitamin B5 (Pantothenic Acid) HPLC-UV/DAD Method	Food Chemistry, Vol.69
Food	Determination of Vitamin B6 (Pyridoxine, Pyridoxine HCl) HPLC-FLD Method	J. of AOAC Int.vol.85
Food	Determination of Vitamin B9 (Folic Acid) HPLC-UV/DAD Method	In House Method - "AY.GKL.326/Rev.No:3" (R-Biopharm P81.V5 modified.)
Food	Determination of Vitamin B12 (Cyanocobalamine) HPLC-UV/DAD Method	In House Method - "AY.GKL.325/Rev.No:4" (R- Biopharm P80.V6 modified.)
Food	Determination of Vitamin C (L-Ascorbic acid) HPLC-UV/DAD Method	In House Method - "AY.GKL.378/Rev. No:1" (J. Of Chromatography A Vol. 881, Issue 1-2 modified)
Food	Determination of Vitamin C HPLC-FLD Method	JAOAC Int. Vol.75, No:5
Food	Determination of Vitamin E HPLC-FLD Method	JAOAC Int. Vol.85
Fruit and vegetable products	Determination of titration acidity	TS 1125 ISO 750 AOAC 942.15
Milk and MilkProducts	Acidity determination	AOAC 947.05
Non-Alcoholic Beverages	Acidity determination	AOAC 940.15, AOAC 950.15
Canned Foods and Varieties	Acidity determination	AOAC 925.53
Cheese and Varieties	Acidity determination	TS 591, TS 3001, TS 3002, AOAC 920.124
Vinegar and Varieties	Acidity determination	AOAC 930.35
Sauces	Titratable acidity determination	AOAC 935.57, AOAC 920.174
Milk	Acidity determination	TS 1018
Cereals, Legumes and Products	Acidity determination	TS 2282



REPUBLIC OF TURKEY  
HALAL ACCREDITATION AGENCY

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

Gelatine	Acidity determination	AOAC 936.09
Coffee and Varieties	Acidity determination	AOAC 920.92
Wheat Flour and Varieties	Acidity determination	TS 4500
Honey	Free acidity determination	TS 3036 (TS 13360), AOAC 962.19
Food	Determination of Total Dietary Fiber	In House Method - "AY.GKL.012/Rev. No:3" (Megazyme Total Dietary Fibre Assay Procedure TDF 10/99, AOAC 991.43 modified.)
Animal and Vegetable Fats and Oils	Determination of Iodine Value	AOAC 993.20
Food (except naturally sulphur dioxide containing food)	Determination of Sulphur Dioxide (SO <sub>2</sub> ) Titrimetric Method	AOAC 962.16
Food	Determination of Total and Invert Sugar Luff Schoorl Method	In House Method - "AY.GKL.018/Rev.No:3" (IFFJP Method 4, Luff Schoorl method modified.)
Honey	Determination of Moisture Refractometric Method	TS 13365
Food	Humidity Determination Karl Fischer Method	In House Method- "AY.GKL.254/Rev.No.3" (FCC, Karl Fischer App. Notes)
Sugary Products	Determination of moisture (Vacuum Oven Method)	TS 1201 EN ISO 1741
Dry fruits	Moisture Determination (Vacuum Oven Method)	TS 485, AOAC 968.11, TS 3687 ISO 7703
Cereals and Grain Products (Excluding Corn and Legume)	Moisture Determination	TS EN ISO 712 AOAC 925.10
Oily seeds	Moisture Determination	TS EN ISO 665, TS 1276, TS 1280, TS 3075
Bread and Varieties	Moisture Determination	TS 5000
Instant Coffee	Determination of Moisture	TS 5389
Cocoa and Varieties	Moisture Determination	TS 3076-1, TS 2211



REPUBLIC OF TURKEY  
HALAL ACCREDITATION AGENCY

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

Roasted Coffee	Moisture Determination	AOAC 968.11
Starch and its Types	Moisture Determination	TS 1252 EN ISO 1666
Tea And Varieties	Determination of Moisture	TS 1562, AOAC 925.19
Cocoa and Cocoa Products	Determination of Moisture	AOAC 931.04
Sugar and Sugary Products	Determination of Drying Loss	TS 861, AOAC 925.45
Chocolate And Varieties	Determination of Moisture	TS 7800
Meat and meat products	Moisture Determination	TS 1743 ISO1442, AOAC 950.46
Legumes	Moisture Determination	TS ISO 24557
Instant soup	Moisture Determination	TS 3190
Fruit and Fruit Products	Moisture Determination	AOAC 920.151
Milk and milk products	Moisture Determination	AOAC 925.23, TS 11046
Halva and Varieties	Moisture Determination	TS 2590
Salt and its Types	Moisture Determination	TS 933
Roasted Ground Coffee	Moisture Determination	TS ISO 11294
Raw Bean Coffee	Moisture Determination	TS 2314
Bread yeast	Moisture Determination	TS 3522
Jelly	Moisture Determination	TS 10929
Animal and Vegetable Fats and Oils	Determination of Moisture and Volatile Matter	TS EN ISO 662
Butter	Moisture Determination	AOAC 920.116



REPUBLIC OF TURKEY  
HALAL ACCREDITATION AGENCY

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

VegetableMargarine	Moisture Determination	TS 2812
Fruit and Vegetable Juices	Moisture Determination	TS EN 12145
Fruit and Vegetable Products	Moisture Determination	TS 1129 ISO 1026
Milk Powder andTypes	Moisture Determination	TS 1329
Ice Cream and Varieties	Moisture Determination	TS ISO 3728
Honey and its Types	Moisture Determination	TS 13365
Spices and Flavoring Agents	Moisture Determination Toluene Method	TS ISO 939
Corn	Moisture Determination	TS EN ISO 6540 (TS 3977)
Canned Foods and Varieties	Moisture Determination	AOAC 964.22
Casein	Moisture Determination	TS ISO 5550
Cheeses and Varieties	Determination of total dry matter	TS EN ISO 5534, AOAC 926.08
Yoghurt and Varieties	Dry Matter Determination	TS 1330
Milk, Buttermilk, Cream and Condensed Milk	Dry substance determination	TS 1018
Food	Determination of Protein Kjeldahl Method	In House Method-''AY.GKL.009/Rev.No:5'' (AOAC 945.18B, Kjeldahl Method, Protein Analyser Application Notes modified.)
Food	Determination of Protein Combustion Method (Dumas Principle)	In House Method-''AY.GKL.338/Rev.No:1'' (AOAC 992.15, AOAC 992.23, Leco Protein Analyser Application Notes modified.)
Spices and Flavoring Agents	Ash determination	TS 2131 ISO 928 AOAC 941.12



REPUBLIC OF TURKEY  
HALAL ACCREDITATION AGENCY

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

Cereals, Legumes and By-Products (Excluding Starch and its products)	Ash determination	TS EN ISO 2171
Flour And Types	Ash determination	AOAC 923.03
Tea And Varieties	Ash determination	TS 1564
Ground-Roasted Coffee	Ash determination	TS 13423
Cocoa and Varieties	Ash determination	TS 3076-1
Fruit and Vegetable Juices	Ash determination	TS EN 1135
Instant Coffee	Ash determination	TS 5389
Animal Fats and Oils	Ash determination	TS ISO 6884
Butter	Ash determination	AOAC 920.117
Honey	Ash determination	AOAC 920.181
Oily seeds	Ash determination	AOAC 950.49, TS 921 (TS ISO 749)
Milk And Varieties	Ash determination	AOAC 945.46
Milk Powder and Types	Ash determination	AOAC 930.30
Vinegar and Its Types	Ash determination	AOAC 930.35
Gum and Its Types	Ash determination	TS 8000
Cheese and Varieties	Ash determination	AOAC 935.42
Whey Powder	Ash determination	TS ISO 5545
Molasses and Varieties	Ash determination	TS 3792
Cocoa and Cocoa Products	Ash determination	AOAC 972.15
Meat and meat products	Ash determination	TS 1746 ISO 936, AOAC 920.153



REPUBLIC OF TURKEY  
HALAL ACCREDITATION AGENCY

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

Bread And BreadTypes	Ash determination	TS 5000
Meyve ve Sebze Mamulleri	Ash determination	AOAC 940.26
Grain and Cereal Products	Determination of acid-insoluble ash	TS 2383
Tea	Determination of acid-insoluble ash	TS 1566 ISO 1577
Coffee and Varieties	Determination of acid-insoluble ash	TS 3117 (TS 13423)
Spices and Flavoring Agents	Determination of acid-insoluble ash	TS 2133 ISO 930
Fruit and vegetable products	Determination of acid-insoluble ash	TS ISO 763
Fats and Oils, Oils Extracted from Food	Determination of Fatty Acid Composition (Methyl Esters, Including Erucic Acid, Total Saturated Fatty Acids, Total Unsaturated Fatty Acids, Total Monounsaturated Fatty Acids, Polyunsaturated Fatty Acids, Total Trans Fatty Acids)  (Butyric Acid (C4:0), Caproic Acid (C6:0), Caprylic Acid (C8:0), Capric Acid (C10:0), Lauric Acid (C12:0), Miristic Acid (C14:0), Miristoleic Acid (C14:1), Pentadecanoic Acid (C15:0), Palmitic Acid (C16:0), Palmitoleic Acid (C16:1), Heptadecanoic Acid (C17:0), cis-10- Heptadecenoic Acid (C17:1) , Stearic Acid (C18:0), Oleic Acid (C18:1n9c), Elaidic Acid (C18:1n9t), Linoleic Acid (C18:2n6c), Linolelaidic Acid (C18:2n6t), GammaLinolenic Acid (C18:3n6), Alpha -Linolenic Acid (C18:3n3), Arachidic Acid (C20:0), cis-11-Eicosenoic Acid (C20:1n9), Behenic Acid (C22:0), Erucic Acid (C22:1n9), Lignoseriic Acid (C24:0)  GC-FID Method	AOAC 969.33
Animal and Vegetable Fats and Oils	Determination of Saponification Value	AOCS Cd 3-25
Animal and Vegetable Fats and Oils	Determination of Soap Content	BS 684 2.5



REPUBLIC OF TURKEY  
HALAL ACCREDITATION AGENCY

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

Olive Oil, VegetableFats and Oils	Determination of Unsaponified Matter Gravimetric Method	AOCS Ca 6b-53
Animal and Vegetable Fats andOils Oils Extracted from Food	Determination of Free Fatty Acids Content and Acid Value	AOCS Ca 5a-40
Fats and Oils Oils extracted from food	Determination of Peroxide Value	AOCS Cd 8-53
Olive Oil	Determination of Specific Absorbance in UV	TS EN ISO 3656
Animal and Vegetable Fats andOils	Determination of the Insoluble Impurities	IUPAC Method 2.604
Seafood	Salt Determination (Chloride Determination) Titrimetric Method	AOAC 937.09 TS 1747-1 ISO 1841-1
Canned Foods and Varieties	Salt Determination Titrimetric Method	TS 382
Bread and Varieties	Salt Determination Titrimetric Method	TS 5000
Meat and meatproducts	Salt Determination Titrimetric Method	AOAC 935.47
VegetableMargarine	Salt Determination Titrimetric Method	TS 2812
Instant Soup	Salt Determination Titrimetric Method	TS 3190 (TS 5000)
Canned Foods and Varieties	Salt Determination Titrimetric Method	TS 2664
Pickles andVarieties	Salt Determination Titrimetric Method	TS 11112
Buttery and mayonnaise	Determination of salt amount Mohr method	TS ISO 1738 AOAC 960.29
Olives and Varieties	Salt Determination Titrimetric Method	TS 774
Cheese andVarieties	Salt Determination Titrimetric Method	AOAC 935.43
Grain and Cereal Products	Salt Determination Titrimetric Method	TS 5000
Spices and Flavoring Agents	Salt Determination Titrimetric Method	TS 3706



REPUBLIC OF TURKEY  
HALAL ACCREDITATION AGENCY

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

Food	Determination of Fat Acid Hydrolysis Method	In House Method - "AY.GKL.020/Rev. No:4" (AOAC 963.15 modified.)
Cheese	Determination of Fat Van Gulik Method	ISO 3433 IDF 222
Milk	Determination of Fat Gerber Method	AOAC 2000.18
Sauces and likeproducts	Determination of Fat Rose Gottlieb Method	TS 7437
Milk Powder	Determination of Fat Rose Gottlieb Method	AOAC 989.05
Yoghurt	Determination of Fat Butirometric Method	TS 1330
Oils	Determination of Fat	IUPAC 6th Ed., 2.604, AOAC 920.116, TS 2812
Oilseeds	Determination of Crude Oil	In House Method - "AY.GKL.021/Rev. No:3" (Fat Analyser Application Notes modified.)
Food and Feed	Detection of Starch (enzymatic)	Boehringer Mannheim Starch Kiti App. Notes
Food	Determination of Energy Value and Nutrition Facts	At Water Method
Spices and Condiments	Determination of Non- Volatile Ether Extract	TS 2137 ISO 1108
Food	Determination of Crude Fiber (Cellulose)	AOAC 962.09, FT App. Notes
Wheat Flour	Determination of Wet Gluten	TS EN ISO 21415-1
Food Contact Polycarbonate and Polysulfone Substances and Materials	Specific Migration [2,2-bis(4-hydroxyphenyl) propane (Bisphenol A)] Analysis HPLC-FLD Method	TS EN 14372
Plastic Substances and Materials in Contact with Food	Total Migration Analysis in Evaporable Food Simulants (Method 1- Full Immersion Method, Method 3- Bag Method, Method 5- Fill Method)	TS EN 1186-1, TS EN 1186-3 Method 1, Method 3, Method 4, Method 5
Plastic Substances and Materials in Contact with Food	Total Migration Analysis Food-Like D2-Fat Foods GC-FID Method	TS EN 1186-1 ; TS EN 1186-2; TS EN 1186-8; TS EN 1186-6
Plastic Substances and Materials in Contact with Food	Total Migration Analysis Fatty Foods-High Temperature Substitution Test Method Modified Polyphenylene oxide (MPPO)	TS EN 1186-13 Method B



REPUBLIC OF TURKEY  
HALAL ACCREDITATION AGENCY

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

Plastic Substances and Materials in Contact with Food	Determination of Specific Migration (Barium (Ba), Cobalt (Co), Copper (Cu), Iron (Fe), Lithium (Li), Manganese (Mn), Zinc (Zn), Aluminum (Al), Nickel (Ni))  ICP-MS Method	TS EN 13130-1; ISO 17294-1; ISO 17294-2
Plastic Substances and Materials in Contact with Food, Silicone Based Materials, Paper/Cardboard Based Materials	Structure Determination  FT-IR (Fourier Transform Infrared Spectroscopy) Method	In House Method- "AY.GKL.373/Rev. No:0" (FTIR Shimadzu LabSolutionsIR Library modified.)
Oil	Determination of Specific Gravity	AOCS Cc 10a-25 TS 4959
Food	Determination of Brix Refractometric Method	TS 4890
Oil	Determination of Refractive Index	AOCS Cc 7-25, TS EN ISO 6320
Food	Determination of Water Activity	TS 7474, Water Activity Meter User Manual
Tea	Determination of Water Extract	TS ISO 9768
Grain and Cereal Products	pH determination potentiometric method	AOAC 943.02
Canned and acidic food	pH determination potentiometric method	AOAC 981.12 TS 353
Milk and milk products	pH determination potentiometric method	TS 591
Coffee and Varieties	pH determination potentiometric method	TS 5389
Molasses and Varieties	pH Determination potentiometric Method	TS 3792
Meat and meat products	pH determination potentiometric method	TS 3136 ISO 2917
Fruit and vegetable products	pH determination potentiometric method	TS 1728 ISO 1842
Cocoa products	pH determination potentiometric method	AOAC 970.21
Tea	Determination of Total Powdered Tea Amount	In House Method - "AY.FAL.048/Rev.No:3" (TS 4600 modified.)
Food	Determination of Filling Volume	TS 2664



REPUBLIC OF TURKEY  
HALAL ACCREDITATION AGENCY

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

Food	Determination of Drained Weight	TS 2664
Jam	Determination of Fruit Rate	TS 3958
Food and Feed	GMO Screening Analysis (p35S, tNOS, pFMV) Real Time PCR Method Pretreatment: DNA Extraction	Kit Method (Eurofins GMO Screen RT IPC (NR) 35S/NOS/FMV Kit Manual), ISO 21569, ISO 24276 Kit Method (Eurofins GeneSpin DNA Isolation Kit Manual), ISO 21571
Food and Feed	GMO Screening Analysis (p35S, tNOS, pFMV) Real Time PCR Method Pretreatment: DNA Extraction	Kit Method (Bosphore GMO Screening Kit S35,-TNOS-FMV Kit Manual), ISO 21569, ISO 24276 Kit Method (Magrev Plant DNA Extraction Kit Manual), ISO 21571
Food and Feed	Taxon Specific Detection of Soybean Lectin Gene Real Time PCR Method Pretreatment: DNA Extraction	Kit Method (Bosphore Soy Species Detection Kit Manual), ISO 21569, ISO 24276 Kit Method (Eurofins GeneSpin DNA Isolation Kit Manual, Magrev Plant DNA Extraction Kit Manual), ISO 21571
Food and Feed	Taxon Specific Detection of Soybean Lectin Gene Real Time PCR Method Pretreatment: DNA Extraction	Kit Method (Eurofins SpeciesIdent RT Soy IPC Kit Manual), ISO 21569, ISO 24276 Kit Method (Eurofins GeneSpin DNA Isolation Kit Manual), ISO 21571
Food and Feed	Taxon Specific Detection of Cotton Gene Real Time PCR Method Pretreatment: DNA Extraction	Kit Method (Bosphore Cotton Species Detection Kit Manual), ISO 21569, ISO 24276 Kit Method (Eurofins GeneSpin DNA Isolation Kit Manual, Magrev Plant DNA Extraction Kit Manual), ISO 21571
Food and Feed	Taxon Specific Detection of Soybean Lectin Gene Real Time PCR Method Pretreatment: DNA Extraction	Kit Method (Eurofins SpeciesIdent RT Soy IPC Kit Manual), ISO 21569, ISO 24276 Kit Method (Eurofins GeneSpin DNA Isolation Kit Manual), ISO 21571
Food and Feed	Taxon Specific Detection of Cotton Gene Real Time PCR Method Pretreatment: DNA Extraction	Kit Method (Bosphore Cotton Species Detection Kit Manual), ISO 21569, ISO 24276 Kit Method (Eurofins GeneSpin DNA Isolation Kit Manual, Magrev Plant DNA Extraction Kit Manual), ISO 21571
Food and Feed	Taxon Specific Detection of Cotton Gene Real Time PCR Method Pretreatment: DNA Extraction	Kit Method (Eurofins SpeciesIdent RT Cotton IPC Kit Manual), ISO 21569, ISO 24276 Kit Method (Eurofins GeneSpin DNA Isolation Kit Manual), ISO 21571
Food and Feed	Taxon Specific Detection of Corn Gene Real Time PCR Method Pretreatment: DNA Extraction	Kit Method (Bosphore Corn/Maize Species Detection Kit Manual), ISO 21569, ISO 24276 Kit Method (Eurofins GeneSpin DNA Isolation Kit Manual, Magrev Plant DNA Extraction Kit Manual), ISO 21571



REPUBLIC OF TURKEY  
HALAL ACCREDITATION AGENCY

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

Food and Feed	Taxon Specific Detection of Soybean Maize Gene Real Time PCR Method Pretreatment: DNA Extraction	Kit Method (Eurofins SpeciesIdent RT IPC Corn/Maize Kit Manual), ISO 21569, ISO 24276 Kit Method (Eurofins GeneSpinDNA Isolation Kit Manual, Magrev Plant DNA Extraction Kit Manual), ISO 21571
Food, bait and seed	Plant Specific Canola Gene Search Real Time PCR Method Pretreatment: DNA extraction	Kit Method (Bosphore Oilseed Rape Species Detection Kit Manual), ISO 21569 24276 Kit Method (Eurofins GeneSpin DNA Isolation Kit Manual, Magrev Plant DNA Extraction Kit Manual), ISO 21571
Food and Feed	Detection of Corn Event DAS-40278-9 Real Time PCR Method Pretreatment: DNA Extraction	EURL Method (QT-EVE-ZM-004), ISO 21569, ISO 24276 Kit Method (Eurofins GeneSpin DNA Isolation Kit Method, Magrev Plant DNA Extraction Kit Manual), ISO 21571
Food and Feed	Detection of Corn Event DAS-40278-9 Real Time PCR Method Pretreatment: DNA Extraction	Kit Method (Eurofins GMOIdent RT IPC Event DAS-40278-9 Corn Kit Manual), ISO 21569, ISO 24276 Kit Method (Eurofins GeneSpin DNA Isolation Kit User Manual, Magrev Plant DNA Extraction Kit Manual), ISO 21571
Food and Feed	Detection of Soybean Event MON 87701 Real Time PCR Method Pretreatment: DNA Extraction	EURL Method (QT-EVE-GM- 010), ISO 21569, ISO 24276 Kit Method (Eurofins GeneSpin DNA Isolation Kit Manual, Magrev Plant DNA Extraction Kit Manual), ISO 21571
Food and Feed	Detection of Soybean Event MON 87701 Real Time PCR Method Pretreatment: DNA Extraction	Kit Method (Eurofins GMOIdent RT Event MON 87701 Soy Kit Manual), ISO 21569, ISO 24276 Kit Method (Eurofins GeneSpin DNA Isolation Kit Manual), ISO 21571
Food and Feed	Detection of Soybean Event MON 87769 Real Time PCR Method Pretreatment: DNA Extraction	EURL Method (QT-EVE-GM- 002), ISO 21569, ISO 24276 Kit Method (Eurofins GeneSpin DNA Isolation Kit Manual, Magrev Plant DNA Extraction Kit Manual), ISO 21571
Food and Feed	Detection of Soybean Event MON 87708 Real Time PCR Method Pretreatment: DNA Extraction	EURL Method (QT-EVE-GM-012), ISO 21569, ISO 24276 Kit Method (Eurofins GeneSpin DNA Isolation Kit Manual, Magrev Plant DNA Extraction Kit Manual), ISO 21571



REPUBLIC OF TURKEY  
HALAL ACCREDITATION AGENCY

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

Food and Feed	Detection of Soybean Event DP-305423-1 Real Time PCR Method Pretreatment: DNA Extraction	EURL Method (QT-EVE-GM-008), ISO 21569, ISO 24276 Kit Method (Eurofins GeneSpin DNA Isolation Kit Manual, Magrev Plant DNA Extraction Kit Manual), ISO 21571
Food and Feed	Detection of Soybean Event DP-305423-1 Real Time PCR Method Pretreatment: DNA Extraction	Kit Method (Eurofins GMOIdent RT Event DP-305423-1 Soy IPC Kit Manual), ISO 21569, ISO 24276 Kit Method (Eurofins GeneSpin DNA Isolation Kit Manual), ISO 21571
Food and Feed	Detection of Soybean Event CV127 Real Time PCR Method Pretreatment: DNA Extraction	EURL Method (QT-EVE-GM-011), ISO 21569, ISO 24276 Kit Method (Eurofins GeneSpin DNA Isolation Kit Manual, Magrev Plant DNA Extraction Kit Manual), ISO 21571
Food and Feed	Detection of Soybean Event CV127 Real Time PCR Method Pretreatment: DNA Extraction	Kit Method (Eurofins GMOIdent RT CV 127 Soy IPC Kit Manual), ISO 21569, ISO 24276 Kit Method (Eurofins GeneSpin DNA Isolation Kit Manual), ISO 21571
Food and Feed	Detection of Cotton Event GHB614 Real Time PCR Method Pretreatment: DNA Extraction	EURL Method (QT-EVE-GH-006), ISO 21569, ISO 24276 Kit Method (Eurofins GeneSpin DNA Isolation Kit Manual, Magrev Plant DNA Extraction Kit Manual), ISO 21571
Food and Feed	Detection of Cotton Event GHB614 Real Time PCR Method Pretreatment: DNA Extraction	Kit Method (Eurofins GMOIdent RT Event GHB614 Cotton Kit Manual), ISO 21569, ISO 24276 Kit Method (Eurofins GeneSpin DNA Isolation Kit Manual), ISO 21571
Food and Feed	Detection of Cotton Event 281-24-236 Real Time PCR Method Pretreatment: DNA Extraction	EURL Method (QT-EVE-GH-001a), ISO 21569, ISO 24276 Kit Method (Eurofins GeneSpin DNA Isolation Kit Manual, Magrev Plant DNA Extraction Kit Manual), ISO 21571
Food and Feed	Detection of Cotton Event 281-24-236 Real Time PCR Method Pretreatment: DNA Extraction	Kit Method (Eurofins GMOIdent RT Event 281-24-236 Cotton Kit Manual), ISO 21569, ISO 24276 Kit Method (Eurofins GeneSpin DNA Isolation Kit Manual), ISO 21571
Food and Feed	Detection of Cotton Event 3006-210-23 Real Time PCR Method	EURL Method (QT-EVE-GH-001b), ISO 21569, ISO 24276 Kit Method (Eurofins



REPUBLIC OF TURKEY  
HALAL ACCREDITATION AGENCY

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

	Pretreatment: DNA Extraction	GeneSpin DNA Isolation Kit Manual, Magrev Plant DNA Extraction Kit Manual), ISO 21571
Food and Feed	Detection of Cotton Event 3006-210-23 Real Time PCR Method Pretreatment: DNA Extraction	Kit Method (Eurofins GMOIdentRT Event 3006-210-23 Cotton Kit Manual), ISO 21569, ISO 24276 Kit Method (Eurofins GeneSpin DNA Isolation Kit Manual), ISO 21571
Food and Feed	Detection of Cotton Event GHB811 Real Time PCR Method Pretreatment: DNA Extraction	EURL Method (QT-EVE-GH-013), ISO 21569, ISO 24276 Kit Method (Eurofins GeneSpin DNA Isolation Kit Manual, Magrev Plant DNA Extraction Kit Manual), ISO 21571
Food and Feed	Detection of Soybean Event DAS-44406-6 Real Time PCR Method Pretreatment: DNA Extraction	EURL Method (QT-EVE-GM-015), ISO 21569, ISO 24276 Kit Method (Eurofins GeneSpin DNA Isolation Kit Manual, Magrev Plant DNA Extraction Kit Manual), ISO 21571
Food and Feed	Detection of Soybean Event DAS-68416-4 Real Time PCR Method Pretreatment: DNA Extraction	EURL Method (QT-EVE-GM-013), ISO 21569, ISO 24276 Kit Method (Eurofins GeneSpin DNA Isolation Kit Manual, Magrev Plant DNA Extraction Kit Manual), ISO 21571
Food and Feed	Detection of Soybean Event DAS-81419-2 Real Time PCR Method Pretreatment: DNA Extraction	EURL Method (QT-EVE-GM-014), ISO 21569, ISO 24276 Kit Method (Eurofins GeneSpin DNA Isolation Kit Manual, Magrev Plant DNA Extraction Kit Manual), ISO 21571
Food and Feed	Detection of Soybean Event MON87751-7 Real Time PCR Method Pretreatment: DNA Extraction	EURL Method (QT-EVE-GM-016), ISO 21569, ISO 24276 Kit Method (Eurofins GeneSpin DNA Isolation Kit Manual, Magrev Plant DNA Extraction Kit Manual), ISO 21571
Food and Feed	Detection of Canola Event DP-073496-4 Real Time PCR Method Pretreatment: DNA extraction	EURL Method (QT EVE-BN-009), ISO 21569, ISO 24276 Kit Method (Eurofins GeneSpin DNA Isolation Kit Manual, Magrev Plant DNA Extraction Kit Manual), ISO 21571
Foods Containing Animal Products	Species Identification (Detection of Pork DNA) Real Time PCR Method Pretreatment: DNA Extraction	Kit Method (Eurofins DNAnimalIdent Pork IPC Kit Manual) Kit Method (Eurofins GeneSpin DNA Isolation Kit Manual), ISO 21571



REPUBLIC OF TURKEY  
HALAL ACCREDITATION AGENCY

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

Meat and Meat Products, Meat Containing Products	Species Identification (Detection of Horse DNA) Real Time PCR Method Pretreatment: DNA Extraction	Kit method (Bosphore Species Identification Horse Kit User Manual) Kit Method (Magrev Genomic DNA Isolation Kit User Manual), ISO 24276
Meat and Meat Products, Meat Containing Products	Species Identification (Detection of Donkey DNA) Real Time PCR Method Pretreatment: DNA Extraction	Kit Method (Bosphore Species Identification Donkey Kit Manual) Kit Method (Magrev Genomic DNA Isolation Kit from Tissue Manual), ISO 24276
Meat and Meat Products, Meat Containing Products	Species Identification (Detection of Chicken DNA) Real Time PCR Method Pretreatment: DNA Extraction	Kit Method (Bosphore Species Identification Chicken Kit User Manual) Kit Method (Magrev Genomic DNA Isolation Kit User Manual), ISO 24276
Meat and Meat Products, Meat Containing Products	Species Identification (Detection of Turkey DNA) Real Time PCR Method Pretreatment: DNA Extraction	Kit Method (Bosphore Species Identification Turkey Kit User Manual) Kit Method (Magrev Genomic DNA Identification Kit User Manual), ISO 24276
Gluten-Free Food or Food Containing Small Amounts of Gluten	Detection of Gluten ELISA Method Pretreatment: Protein Extraction	Kit Method (RIDASCREEN Gliadin R7001 Kit Manual), AOAC 2012.01
Hazelnut Protein- free Food or Food Containing Small Amounts of Hazelnut Protein	Detection of Allergen (Hazelnut Protein) ELISA Method Pretreatment: Protein Extraction	Kit Method (Eurofins - SENSISpec Hazelnut ELISA Cat.No.:HU0030010 Kit Manual)
Peanut Protein-free Food or Food Containing Small Amounts of Peanut Protein	Detection of Allergen (Peanut Protein) ELISA Method Pretreatment: Protein Extraction	Kit Method (Eurofins - SENSISpec Peanut ELISA Cat.No.: HU0030019 Kit Manual)
Sesame Protein- free Food or Food Containing Small Amounts of Sesame Protein	Detection of Allergen (Sesame Protein) ELISA Method Pretreatment: Protein Extraction	Kit Method (Eurofins - SENSISpec Sesame ELISA Cat.No.:HU0030022 Kit Manual)
Egg Protein-free Food or Food Containing Small Amounts of Egg Protein	Detection of Allergen (Egg Protein) ELISA Method Pretreatment: Protein Extraction	Kit Method (Eurofins - SENSISpec Egg White ELISA Cat.No.:HU0030007 Kit Manual)
Food	Aerobic Colony Count Pour Plate Technique	TS EN ISO 4833-1



REPUBLIC OF TURKEY  
HALAL ACCREDITATION AGENCY

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

Food	Enumeration of Bacillus cereus Colony Count Technique	TS EN ISO 7932
Food	Enumeration of Clostridium perfringens Colony Count Technique	ISO 7937
Food	Detection of Cronobacter spp.	ISO 22964
Food	Detection and Enumeration of Enterobacteriaceae Colony Count Technique	ISO 21528-2
Food	Enumeration of Escherichia coli Colony Count Technique	ISO 16649-2
Food	Enumeration of Escherichia coli MPN Technique	ISO 16649-3
Food	Enumeration of Escherichia coli MPN Technique	TS ISO 7251
Food	Detection of Escherichia coli O157	TS EN ISO 16654
Food	Escherichia Coli O157: Search for H7	bioMérieux VIDAS UP O157 ECPT AFNOR Certification Ref.30122
Food	Enumeration of Coliforms Colony Count Technique	ISO 4832
Food	Enumeration of Coliforms MPN Technique	TS ISO 4831
Food	Enumeration of Coagulase- positive Staphylococci (Staphylococcus aureus and other species) Colony Count Technique	ISO 6888-1
Food	Enumeration of Yeasts and Moulds Colony Count Technique	TS ISO 21527-1, TS ISO21527-2
Food	Detection of Listeria spp. and Listeria monocytogenes	ISO 11290-1
Food	Listeria monocytogenes Search	bioMérieux VIDAS Listeria monocytogenes Xpress (LMX), AFNOR Certification Ref. 30123
Food	Detection of Salmonella spp.	ISO 6579-1
Food	Salmonella spp. Aranması	AOAC 2013.01, bioMérieux VIDAS UP SPT



REPUBLIC OF TURKEY  
HALAL ACCREDITATION AGENCY

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

Food	Detection of Staphylococcal Enterotoxin ELISA Test Kit	EU-RL European Screening Method Ver.5 (RIDASCREEN Set Total Kit R 4105)
Food	Search for Staphylococcal Enterotoxin	bioMérieux VIDAS SET2 30705 AOAC Official Method 2007.06
Food	Sulfite-Reducing Clostridium spp. count  Colony Counting Technique	ISO 15213-1
Bread and Bread Yeast	Enumeration of Rope Spore MPN Technique	TS 5000, TS 3522
Food	Enumeration of Fecal Coliforms MPN Technique	FDA-BAM CH 4
Food	Enumeration of Lactic Acid Bacteria Colony Count Technique	IFU Method No:1-5
Meat and Meat Products	Enumeration of Pseudomonas spp. Colony Count Technique	TS EN ISO 13720
Environmental Samples from Food Business	Enumeration of Coagulase- positive Staphylococci (Staphylococcus aureus and other species) MPN Technique	TS EN ISO 6888-3
Environmental Samples from Food Business	Aerobic Colony Count Pour Plate Technique	TS EN ISO 4833-1
Environmental Samples from Food Business	Enumeration of Escherichia coli MPN Technique	ISO 16649-3
Environmental Samples from Food Business	Enumeration of Coliforms Colony Count Technique	TS ISO 4832
Environmental Samples from Food Business	Enumeration of Enterobacteriaceae Colony Count Technique	ISO 21528-2
Environmental Samples from Food Business	Detection of Listeria spp. and Listeria monocytogenes	ISO 11290-1
Environmental Samples from Food Business	Detection of Salmonella spp.	ISO 6579 - 1



REPUBLIC OF TURKEY  
HALAL ACCREDITATION AGENCY

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

Fruit Juice, Fruit Concentrate, Process Waters	Detection and Enumeration of Alicyclobacillus spp. and Alicyclobacillus acidoterrestris	International Federation of Fruit Juice Producers, Method No12 (IFU MB 12)
Food	Mesophilic Aerobic Spore-Forming Bacteria - Spore Count Colony Counting Technique	IFU Methods No:6
Food	Mesophilic Anaerobic Spore-Forming Bacteria - Spore Count Colony Counting Technique	IFU Methods No:6
Food	Enumeration of Enterococci Colony Count Technique	ICMSF, Microorganisms in Food 1
Water	Enumeration of Escherichia coli Membrane Filtration Technique	TS EN ISO 9308-1
Water	Enumeration of Coliforms Membrane Filtration Technique	TS EN ISO 9308-1
Water	Enumeration of Fecal Enterococci Membrane Filtration Technique	TS EN ISO 7899-2
Water	Colony Count (22 oC) Pour Plate Technique	TS EN ISO 6222
Water	Colony Count (37 oC) Pour Plate Technique	TS EN ISO 6222
Water	Enumeration and Detection of Sulfite Reducing Anaerobic Bacteria (Clostridia) Membrane Filtration Technique	TS 8020 EN 26461-2
Water	Enumeration of Clostridium perfringens Membrane Filtration Technique	ISO 14189
Water	Detection of Salmonella spp. Membrane Filtration Technique	TS EN ISO 19250
Water	Enumeration and Detection of Pseudomonas aeruginosa Membrane Filtration Technique	TS EN ISO 16266
Water	Enumeration of Staphylococcus Membrane Filtration Technique	SM 9213 B