


Accreditation Scope

 TÜRKAK  Test TS EN ISO/IEC 17025 AB-0025-T	TARIM VE KÖYİŞLERİ BAKANLIĞI Ankara İl Kontrol Laboratuvar Müdürlüğü	
	Accreditation Number: AB-0025-T Revision Number: 06 Date: 17 June 2010	
	Deney Laboratuvarı	
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Tested Materials / Products	Name of Test	Testing Method (National, International standards, in house methods)
Hazelnut, Peanut, Pistachio, Fig and Fig paste and Red pepper	Analysis of Aflatoxin B1, B2, G1 and G2	AOAC Official Methods of Analysis No:999.07:2007 VICAM Aflatest Manual Instruction
Animal Feed, feed raw materials and High Fiber Products	Analysis of Aflatoxin B1, B2, G1 and G2	AOAC Official Methods of Analysis No:2003.2:2007
Milk and milk powder	Analysis of Aflatoxin M1	ISO 14501:2002
Cereal (Wheat, barley, Maize, Rice and others) and Cereal Products	Analysis of Ochratoxin A	AOAC Official Methods of Analysis No:2000.3:2007
Currant and Raisin	Analysis of Ochratoxin A	AOAC Official Methods of Analysis No:973.37:2007 VICAM Ochratest Procedure for Currants and Raisins (modified)
Beer and Wine	Analysis of Ochratoxin A	AOAC Official Methods of Analysis 2001.01:2007
Cereal (Wheat, barley, Maize, Rice and others) and Animal Feeds	Analysis of Zearalenone	AOAC Official Methods of Analysis No:994.01:2007
Maize, Sorghum and Animal Feeds	Analysis of Fumonisin	Vicam Fumonitest Instruction manual
Apple Juice, Concentrated Apple Juice and Beverages containing apple juice	Analysis of Patulin	TS EN 14177 April 2005
Foodstuffs	Analysis of Sorbic Acid and Benzoic Acid	NMKL Method No:124 : 1997
Foodstuffs	Analysis of sulphur dioxide	AOAC Official Methods of Analysis No:962.16:2007
Fruit and Vegetable Products, Sugary products	Determination of Brix	AOAC Official Methods of Analysis No:932.12:2007 AOAC Official Methods of Analysis No:932.14C:2007 TS 4890:1986

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Tested Materials / Products	Name of Test	Testing Method (National, International standards, in house methods)
Animal Feeds and Feed Raw Materials	Determination of Dry Matter	VDLUF A Methodenbuch Band-III:1976 Official Journal No: 14987;25.08.1974 Animal Feeds Inspection and Test Methods
Animal Feeds and Feed Raw Materials	Determination of Ash	VDLUF A Methodenbuch Band-III:1976 Official Journal No: 14987;25.08.1974 Animal Feeds Inspection and Test Methods
Foodstuffs	Determination of pH	AOAC Official Methods of Analysis No:981.12:2007 TS 1728 ISO 1842:2001 TS 3136 ISO 2917:2002
Animal Feeds and Feed Raw Materials, Cereal and Products, Leguminous seeds	Analysis of Protein	AOAC Official Methods of Analysis No:990.03: 2007
Foodstuffs	Analysis of Protein	TS ISO 1871:2006 TS 4717 ISO 5983:1999

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Tested Materials / Products	Name of Test	Testing Method (National, International standards, in house methods)
Foodstuffs	Determination of Moisture and Dry Matter	AOAC Official Methods of Analysis No:920.116:2007 AOAC Official Methods of Analysis No:925.09:2007 AOAC Official Methods of Analysis No:925.10:2007 AOAC Official Methods of Analysis No:925.55:2007 AOAC Official Methods of Analysis No:926.08:2007 AOAC Official Methods of Analysis No:927.05:2007 TS 142:2008 TS 933:2003 TS 1018:2002 TS 1129 ISO 1026:1998 TS 1134 ISO711:2001 TS 1135 ISO712:2001 TS 1208 ISO1742:2002 TS 1252 EN ISO 1666:2001 TS 1275:2006 TS 1329:2005 TS 1330:2006 TS 1331:1995 TS 1562:1990 TS 1743 ISO 1442:2001 TS 2812:1991 TS 3190:1995 TS 3522:1992 TS 4851:1986 TS EN ISO 5534:2006 TS 5389:1987 TS 7790:2001 TS 12000:1996 TS 2314:1990 TS 1201/EN ISO 1741:1996 TS 3076-1:2001 TS 3117:1978
Honey	Determination of Refractometric Moisture	TS 3036:2002
Honey and Molasses	Analysis of HMF	Harmonised Method of the IHC:2002
Honey	Analysis of C13 and C4 Sugar	AOAC Official Methods of Analysis No:998.12:2007
Grape Molasses	Analysis of C13	AOAC Official Methods of Analysis No: 998.12 : 2007

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Tested Materials / Products	Name of Test	Testing Method (National, International standards, in house methods)
Granulated Sugar and Confectionary products	Analysis of C13	AOAC Official Methods of Analysis No:998.12:2007
Fruit Juices	Determination of Acidity	TS 1125 ISO 750 :2002
Vinegar	Determination of Acidity	TS 1880:2004
Foodstuffs	Determination of Ash	AOAC Official Methods of Analysis No:923.03:2007 TFC Declaration of Analyse Methods of eatable casein and caseinat 2002/18 TS 522:1976 TS EN 1135:1996 TS 1511 ISO 2171 :2000 TS 1564:1990 TS 1746 ISO 936:2001 TS 2131 ISO 928:2001 TS 3076-1:2001 TS 3117:1978 TS 3792:2008 TS 5389:1990 TS 6399:1989
Foodstuffs	Analysis of Salt	TS 4164 ISO 9297:1998 TS 933:2003 TS 1466:2008 TS 1333 ISO 1738:2001 AOAC Official Methods of Analysis No:935.43:2007 TS 3190:1995 TS 3628:1991 TS 5983:1993 TS 11149:2003 TS 12000:1996
Vegetable Oil and Animal Fat	Determination of Acidity	TS 1605 EN ISO 660:1997
Vegetable Oil and Animal Fat (solid-liquid)	Determination of Refractive Index	TS 4960 EN ISO 6320:2004 TS 342 :2003 TS 894 :1975 TS 886 :2005 TS 888 :2003
Milk and Milk products	Analysis of Phosphatase Activity	Turkish Food Codex Declaration of Analyse Methods of Condensed Milk and Milk Powders 2002/16

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Tested Materials / Products	Name of Test	Testing Method (National, International standards, in house methods)
Butter	Determination of Fat	Determination of Fat in Butter by Gerber Method Laboratory Manual. (FAO Regional Dairy Development and Training Centre for the Near East, Spring 1977)
Butter	Determination of Reichert-Meissl Number	TS 1331:1991
Cheeses	Determination of Fat	TS 3046:1978
Raw, Pastorised, UHT Milk and Ayran	Determination of Fat Amount	TS 8189:1990
Yoghurt	Determination of Fat	TS 1330:2006
Meat and Meat Products	Determination of Fat	TS 1744:1974
Table Salt	Analysis of Potassium Iodide	TS 933:2003
Table Salt	Analysis of Potassium Iodate	TS 933:2003
Aquaculture Water Quality	Determination of Overall Hardness	TS 4474 ISO 6059:April 1998
Aquaculture Water Quality	Determination of Chloride (B.Argentometric Method)	Standart Method 21st Ed. 2005 4500-Cl-
Aquaculture Water Quality	Determination of pH (B. Electrometric Method)	Standart Method 21st Ed. 2005 4500-H+
Aquaculture Water Quality	Determination of Alkalinity (B Titration Method)	Standart Method 21st Ed. 2005 2320 Alkalinity
Polypropylene	Determination of Maximum Extractable Fraction of Polypropylene and Polymethylpentene in N-Hexane Determination of Maximum Soluble Fraction of Polypropylene and Polymethylpentene in N-Xylene	FDA CFR 21 177.1520:1994
Polyethylene	Determination of Maximum Extractable Fraction of Polyethylene in N-Hexane (Alternative Method)	FDA CFR 21 177.1520:1994

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Tested Materials / Products	Name of Test	Testing Method (National, International standards, in house methods)
Plastic Packaging Materials in Contact with Foodstuffs	Overall Migration Analyses-Selection of Conditions for Determination of Overall Migration to Foods	EN 1186-1:2002
Plastic Packaging Materials in Contact with Foodstuffs	Overall Migration Analyses-Determination of Overall Migration into Aquaeus Simulants-Total Immersion Method	EN 1186-3:2002
Plastic Packaging Materials in Contact with Foodstuffs	Overall Migration Analyses-Determination of Overall Migration into Aquaeus Simulants-Pouch Method	EN 1186-7:2002
Plastic Packaging Materials in Contact with Foodstuffs	Overall Migration Analyses-Determination of Overall Migration into Aquaeus Simulants- Article Filling Method	EN 1186-9:2002
Plastic Packaging Materials in Contact with Foodstuffs	Displacement Test Methods for Overall Migration of Plastics into fatty/oily foods by using Isooctane and 95% Ethanol	EN 1186-14:2002
Plastic Packaging Materials in Contact with Foodstuffs	Alternative Test Methods for Overall Migration of Plastics into fatty/oily foods and/or by using 95% Ethanol	EN 1186-15:2002
Vegetable Oil	Analysis of Benzo(a)pyrene	Journal of Separation Science No:25, 96-100:2002
Fruit and Vegetables not containing oil	Analysis of Some Organic Chloride Pesticides with GC-ECD: Diclobenil, Tecnazene, Trifluralin, HCB, Lindan, PCNB, Vinclozolin, Tolclofos methyl, Aldrin, Heptachlor-exo-epoxide (cis-, isomer B), Heptachlor-endo-epoxide (trans-, isomer A), Procymidone, 2,4-DDE, alpha Endosulfan, Dieldrin, 2,4-DDD, Oxyfluorfen, Endrin, beta Endosulfan, 4,4-DDD, Tetrasul, Endosulfan sulfat, 4,4-DDT, Trifloxystrobin, Bromopropylate, Bifenthrin, Fenpropathrin, Tetradifon, lamda Cyhalothrin	QuEChERS Method Journal of AOAC International Vol: 88, No: 2 2005

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Tested Materials / Products	Name of Test	Testing Method (National, International standards, in house methods)
Fruit and Vegetables not containing oil	Analysis of Some Organic Chloride Pesticides with GC-ECD: Cyfluthrin, Cypermethrin, Fenvelerate, Deltamethrin, Lufenuron, alpha BHC, Dicloran, beta-BHC, Propyzamide, delta BHC, tri-Allate, Metribuzin, Alachlor, Fenchlorfos, Metalochlor, Triadimefon, Trichloronate, Bromophos methyl, Chlorfenvinfos, Bromophos ethyl, Chlorfluazuron, 4,4-DDE, Myclobutanil, Kresoxim methyl, Nitrofen, 2,4-DDT, Fenhexamid, Nuarimol, Iprodione, Fenarimol, Dialifos, Permetrin, Tau-fluvalinate	QuEChERS Method Journal of AOAC International Vol: 88, No: 2 2005
Fruit and Vegetables not containing oil	Analysis of Organic Phosphourus Pesticides with GC-FPD: DDVP, Methamidophos, Mevinphos, Methacrifos, Acephate, Heptenophos, Ethoprophos, Cadusafos, Demeton-s-methyl, Phorate, Thiometon, Diazinon, Etrimfos, Izasafos, Monocroptos, Dimethoate, Chlorpyrifos methyl, Fenchlorfos, Pirimiphos methyl, Chlorpyriphos ethyl, Parathion methyl	QuEChERS Method Journal of AOAC International Vol: 88, No: 2 2005
Fruit and Vegetables not containing oil	Analysis of Organic Phosphourus Pesticides with GC-FPD: Formothion, Pirimiphos ethyl, Malathion, Fenitrothion, Parathion ethyl, Bromophos ethyl, Quinalphos, Chlorfenvinfos, Methidathion, Profenofos, Phosfolone, Mephosfolone, Fenamiphos, Ethion, Triazophos, Pyridaphenthion, Phosmet, Phasolone, Azinphos methyl, Pyrazophos, Azinphos ethyl	QuEChERS Method Journal of AOAC International Vol: 88, No: 2 2005
Fish	Analysis of Malachite Green and Leucomalachite Green	Analyst:1998, 123, 2567-2571
Waste Water	Determination of COD (Chemical Oxygen Demand) (B.Open Reflux Method)	Standart Method 21st Ed. 2005 5220-COD

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Foodstuffs	Determination of Arsenic, Copper, Zinc, Tin, Mercury, Cadmium and Lead with ICP-OES	NMKL Method No:161 : 1998
Canned Foods	Determination of Iron (Fe) with ICP-OES	NMKL Method No:161 : 1998
Dairy Products	Determination of Lead (Pb) with ICP-MS	NMKL Method No:161 : 1998
Foodstuffs	Determination of Mesophilic Aerobic Bacteria	BAM:January 2001
Foodstuffs	Determination of Coliform, Fecal Coliform, <i>E.coli</i>	BAM:September 2002
Foodstuffs	Detection of <i>Salmonella spp</i>	TS EN ISO 6579:2005
Foodstuffs	Detection of <i>Listeria monocytogenes</i>	The Oxoid Listeria RapiT Test incorporating clearview Listeria, Folio No:460 461 Bridson E.Y. 1988
Foodstuffs	Detection of <i>Listeria monocytogenes</i> with VIDAS	AOAC Official Methods of Analysis No:2004.06 :2007 L.monocytogenes in foods VIDAS L.monocytogenes II (LMO2) First Action 2004
Foodstuffs	Detection of <i>Salmonella spp.</i> with VIDAS	TS EN ISO 6579:2005 AOAC Official Methods of Analysis No:2001.09 :2007
Maize Flour	Quantitative GMO Analysis with Real Time PCR Maize Quantification Kit (Bt 176)	Lightcycler GMO Maize Quantification Kit Instruction manual
Soy Flour and Maize Flour	Qualitative GMO Analysis with Real Time PCR (35 S-NOS)	High Pure GMO sample Preparation Kit-DNA Isolation + Light Cycler GMO Screening Kit Instruction manual
Soy Flour	Quantitative GMO Analysis with Real Time PCR Soy Quantification Kit	Lightcycler GMO Soya Quantification Kit Instruction manual

End of Scope

Atakan BAŞTÜRK
Secretary General