

**Annex to the Accreditation Certificate DAP-PL-3453.00
Accreditation based on DIN EN ISO/IEC 17025:2005**

Period of validity: 2009-09-01 to 2011-07-08

Holder of the certificate:

**TÜBITAK
BURSA TEST and ANALYSIS LABORATORY
(BUTAL)**

Gaziakdemir Mah. Merinos Cad. No:11
16190 Bursa
TURKEY

for its

**Material-textile, chemical and environmental,
food and agricultural chemistry laboratories**

Tests in the areas:

**physical and chemical analysis of textiles and leather;
chemical and physical-chemical analysis of water and
waste water;
selected chemical and physical-chemical analysis of
food stuff;
chemical and physical-chemical analysis of soil, hazardous
waste, waste oil, coal, petrol products and biodiesel;
noise and stack gases measurements**

abbreviations used:

see last page

1 Analysis of textiles

1.1 Physical tests

ISO 12947-2
1998-12
Cor 1
2002-11

Textiles - Determination of the abrasion resistance of fabrics by the Martindale method - Part 2: Determination of specimen breakdown

BS EN ISO 12947-2
1999-04

Textiles - Determination of the abrasion resistance of fabrics by the Martindale method - Part 2: Determination of specimen breakdown

TS EN ISO 12947-2
2006-10

Textiles - Determination of the abrasion resistance of fabrics by the Martindale method - Part 2: Determination of specimen breakdown

ISO 13934-1
1999-02

Textiles - Tensile properties of fabrics - Part 1: Determination of maximum force and elongation at maximum force using the strip method

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BS EN ISO 13934-1 1999-05	Textiles - Tensile properties of fabrics - Part 1: Determination of maximum force and elongation at maximum force using the strip method
TS EN ISO 13934-1 2002-02	Textiles - Tensile properties of fabrics - Part 1: Determination of maximum force and elongation at maximum force using the strip method
ISO 13934-2 1999-02	Textiles - Tensile properties of fabrics - Part 2: Determination of maximum force using the grab method
BS EN ISO 13934-2 1999-05	Textiles - Tensile properties of fabrics - Part 2: Determination of maximum force using the grab method
TS EN ISO 13934-2 2002-03	Textiles - Tensile properties of fabrics - Part 2: Determination of maximum force using the grab method
ISO 13937-1 2000-04	Textiles - Tear Properties of fabrics - Part 1: Determination of tear force using ballistic pendulum method (Elmendorf)
BS EN ISO 13937-1 2000-06	Textiles - Tear Properties of fabrics - Part 1: Determination of tear force using ballistic pendulum method (Elmendorf)
TS EN ISO 13937-1 2002-03	Textiles - Tear Properties of fabrics - Part 1: Determination of tear force using ballistic pendulum method (Elmendorf)
ISO 3801 1977-09	Textiles - Woven fabrics - Determination of mass per unit length and mass per unit area
TS 251 1991-02	Textiles - Woven fabrics - Determination of mass per unit length and mass per unit area
TS 255 1989-01	Textiles - Woven fabrics - Construction-Method of analysis - determination of linear density of yarn removed from fabric
ISO 7211-5 1984-01	Textiles - Woven fabrics - Construction-Method of analysis - Part 5: Determination of linear density of yarn removed from fabric
ISO 7211-4 1984-01	Textiles - Woven fabrics - Construction-Method of analysis - Part 4: Determination of twist in yarn removed from fabric
TS 256 1989-01	Textiles - Woven fabrics - Construction-Method of analysis - Determination of twist in yarn removed from fabric
ISO 7211-2 1984-01	Textiles - Woven fabrics - Construction-Method of analysis - Part 2: Determination of number of threads per unit length
TS 250 EN 1049-2 1996-02	Textiles - Woven fabrics - Construction-Method of analysis - Determination of number of threads per unit length
ISO 9237 1995-06	Textiles - Determination of the permeability of fabrics to air
BS EN ISO 9237 1995-01	Textiles - Determination of the permeability of fabrics to air

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TS 391 EN ISO 9237 1999-04	Textiles - Determination of the permeability of fabrics to air
ISO 13938-1 1999-08	Textiles - Bursting properties of fabrics - Part 1: Hydraulic method for determination of bursting strength and bursting distension
BS EN ISO 13938-1 1999-11	Textiles - Bursting properties of fabrics - Part 1: Hydraulic method for determination of bursting strength and bursting distension
TS 393 EN ISO 13938-1 2002-12	Textiles - Bursting properties of fabrics - Part 1: Hydraulic method for determination of bursting strength and bursting distension
ISO 13938-2 1999-08	Textiles - Bursting properties of fabrics - Part 2: Pneumatic method for determination of bursting strength and bursting distension
BS EN ISO 13938-2 1999-11	Textiles - Bursting properties of fabrics - Part 2: Pneumatic method for determination of bursting strength and bursting distension
TS EN ISO 13938-2 2003-01	Textiles - Bursting properties of fabrics - Part 2: Pneumatic method for determination of bursting strength and bursting distension
ISO 12945-1 2000-12	Textiles - Determination of fabric propensity to surface fuzzing and to pilling - Part 1: Pilling box method
BS EN ISO 12945-1 2001-03	Textiles - Determination of fabric propensity to surface fuzzing and to pilling - Part 1: Pilling box method
TS EN ISO 12945-1 2002-04	Textiles - Determination of fabric propensity to surface fuzzing and to pilling - Part 1: Pilling box method
ISO 12945-2 2000-12	Textiles - Determination of fabric propensity to surface fuzzing and to pilling - Part 2: Modified Martindale method
BS EN ISO 12945-2 2000-09	Textiles - Determination of fabric propensity to surface fuzzing and to pilling - Part 2: Modified Martindale method
TS EN ISO 12945-2 2002-04	Textiles - Determination of fabric propensity to surface fuzzing and to pilling - Part 2: Modified Martindale method
ASTM D 3512:07 2007-12	Standard test method for pilling resistance and other related surface changes of textile fabrics - Random Tumble Pilling Tester
ISO 13935-1 1999-02	Textiles - Seam tensile properties of fabrics and made-up textile articles - Part 1: Determination of maximum force to seam rupture using the strip method
BS EN ISO 13935-1 1999-05	Textiles - Seam tensile properties of fabrics and made-up textile articles - Part 1: Determination of maximum force to seam rupture using the strip method

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TS 1619-1 EN ISO 13935-1 2002-04	Textiles - Seam tensile properties of fabrics and made-up textile articles - Part 1: Determination of maximum force to seam rupture using the strip method
ISO 13935-2 1999-02	Textiles - Seam tensile properties of fabrics and made-up textile articles - Part 2: Determination of maximum force to seam rupture using the grab method
BS EN ISO 13935-2 1999-05	Textiles - Seam tensile properties of fabrics and made-up textile articles - Part 2: Determination of maximum force to seam rupture using the grab method
TS 1619-2 EN ISO 13935-2 2002-04	Textiles - Seam tensile properties of fabrics and made-up textile articles - Part 2: Determination of maximum force to seam rupture using the grab method
TS EN ISO 13936-1 2006-03	Textiles - Determination of the slippage resistance of yarns at a seam in woven fabrics - Part 1: Fixed seam opening method
ISO 13936-1 2004-04	Textiles - Determination of the slippage resistance of yarns at a seam in woven fabrics - Part 1: Fixed seam opening method
ISO 13936-2 2004-04	Textiles - Determination of the slippage resistance of yarns at a seam in woven fabrics - Part 2: Fixed load method
TS EN ISO 13936-2 2006-03	Textiles - Determination of the slippage resistance of yarns at a seam in woven fabrics - Part 2: Fixed load method
ISO 13937-2 2000-04	Textiles - Tear properties of fabrics - Part 2: Determination of tear force of trouser-shaped test specimens (single tear method)
BS EN ISO 13937-2 2000-06	Textiles - Tear properties of fabrics - Part 2: Determination of tear force of trouser-shaped test specimens (single tear method)
TS EN ISO 13937-2 2002-03	Textiles - Tear properties of fabrics - Part 2: Determination of tear force of trouser-shaped test specimens (single tear method)
ISO 13937-3 2000-04	Textiles - Tear properties of fabrics - Part 3: Determination of tear force of wing-shaped test specimens (single tear method)
BS EN ISO 13937-3 2000-06	Textiles - Tear properties of fabrics - Part 3: Determination of tear force of wing-shaped test specimens (single tear method)
TS EN ISO 13937-3 2002-03	Textiles - Tear properties of fabrics - Part 3: Determination of tear force of wing-shaped test specimens (single tear method)
ISO 13937-4 2000-04	Textiles - Tear properties of fabrics - Part 4: Determination of tongue-shaped test specimens (double tear test)
BS EN ISO 13937-4 2000-06	Textiles - Tear properties of fabrics - Part 4: Determination of tongue-shaped test specimens (double tear test)
TS EN ISO 13937-4 2002-04	Textiles - Tear properties of fabrics - Part 4: Determination of tongue-shaped test specimens (double tear test)

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ISO 2062 1995-05	Textiles - Yarn from packages - Determination of single end breaking force and elongation at break
BS EN ISO 2062 1995-06	Textiles - Yarn from packages - Determination of single end breaking force and elongation at break
TS 245 EN ISO 2062 1996-04	Textiles - Yarn from packages - Determination of single end breaking force and elongation at break
TS 244 EN ISO 2060 1999-04	Textiles - Yarn from packages - Determination of linear density (mass per unit length) by the skein method
ISO 2060 1994-01	Textiles - Yarn from packages - Determination of linear density (mass per unit length) by the skein method
TS 247 EN ISO 2061 1999-04	Textiles - Determination of twist in yarns - Direct counting method
ISO 2061 1995-01	Textiles - Determination of twist in yarns - Direct counting method
ASTM D 5034:09 2009-06	Standard Test Method for Breaking Strength and Elongation of Textile Fabrics (Grap Test)
ASTM D 5035:06 1995-05	Standard Test Method for Breaking Force and Elongation of Textile Fabrics (Strip Method)
ASTM D 1424:09 1996-05	Standard Test Method for Tearing Strength of Fabrics by Falling - Pendulum Type (Elmendorf) Apparatus
TS 10258 1992-04	Textiles - Fabrics - Determination of pilling resistance and other related surface changes - Random tumble method

1.2 Chemical tests

ISO 105-B02 1994-09	Textiles - Tests of colour fastness - Part B02: Colour fastness to artificial light: Xenon arc fading lamp test
EN ISO 105-B02 1999-07	Textiles - Tests of colour fastness - Part B02: Colour fastness to artificial light: Xenon arc fading lamp test
BS EN ISO 105-B02 1999-11	Textiles - Tests of colour fastness - Part B02: Colour fastness to artificial light: Xenon arc fading lamp test
TS 1008 EN ISO 105-B02 2001-04	Textiles - Tests of colour fastness - Part B02: Colour fastness to artificial light: Xenon arc fading lamp test
EN ISO 105-C06 1997-04	Textiles - Tests for colour fastness - Part C06: Colour fastness to domestic and commercial laundering
TS EN ISO 105-C06 2001-11	Textiles - Tests for colour fastness - Part C06: Colour fastness to domestic and commercial laundering
ISO 105-C06 1994-08	Textiles - Tests for colour fastness - Part C06: Colour fastness to domestic and commercial laundering

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BS EN ISO 105-C06 1997-08	Textiles - Tests for colour fastness - Part C06: Colour fastness to domestic and commercial laundering
EN ISO 105-D01 1995-01	Textiles - Tests for colour fastness - Part D01: Colour fastness to dry cleaning
BS EN ISO 105-D01 1995-01	Textiles - Tests for colour fastness - Part D01: Colour fastness to dry cleaning
ISO 105-D01 1993-11	Textiles - Tests for colour fastness - Part D01: Colour fastness to dry cleaning
TS 473 EN ISO 105-D01 1996-04	Textiles - Tests for colour fastness - Part D01: Colour fastness to dry cleaning
EN ISO 105-E01 1996-06	Textiles - Tests for colour fastness - Part E01: Colour fastness to water
BS EN ISO 105-E01 1996-09	Textiles - Tests for colour fastness - Part E01: Colour fastness to water
ISO 105-E01 1994-09	Textiles - Tests for colour fastness - Part E01: Colour fastness to water
TS EN ISO 105 E 01 2006-04	Textiles - Tests for colour fastness - Part E01: Colour fastness to water
ISO 105-E02 1994-09	Textiles - Tests for colour fastness - Part E02: Colour fastness to sea water
EN ISO 105-E02 1996-06	Textiles - Tests for colour fastness - Part E02: Colour fastness to sea water
BS EN ISO 105-E02 1996-09	Textiles - Tests for colour fastness - Part E02: Colour fastness to sea water
TS 397 EN ISO 105-E02 2002-03	Textiles - Tests for colour fastness - Part E02: Colour fastness to sea water
ISO 105-E03 1994-09	Textiles - Tests for colour fastness - Part E03: Colour fastness to chlorinated water (swimming-pool water)
EN ISO 105-E03 1996-08	Textiles - Tests for colour fastness - Part E03: Colour fastness to chlorinated water (swimming-pool water)
BS EN ISO 105-E03 1997-01	Textiles - Tests for colour fastness - Part E03: Colour fastness to chlorinated water (swimming-pool water)
TS 837 EN ISO 105-E03 2001-11	Textiles - Tests for colour fastness - Part E03: Colour fastness to chlorinated water (swimming-pool water)
EN ISO 105-E04 2009-01	Textiles - Tests for colour fastness - Part E04: Colour fastness to perspiration
ISO 105-E04 2008-09	Textiles - Tests for colour fastness - Part E04: Colour fastness to perspiration

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TS EN ISO 105-E04 2006-04	Textiles - Tests for colour fastness - Part E04: Colour fastness to perspiration
ISO 105-E05 2006-07	Textiles - Tests for colour fastness - Part E05: Colour fastness to spotting: acid
EN ISO 105-E05 2006-07	Textiles - Tests for colour fastness - Part E05: Colour fastness to spotting: acid
TS EN ISO 105-E05 2006-12	Textiles - Tests for colour fastness - Part E05: Colour fastness to spotting: acid
ISO 105-E06 2006-07	Textiles - Tests for colour fastness - Part E06: Colour fastness to spotting: alkali
EN ISO 105-E06 2006-07	Textiles - Tests for colour fastness - Part E06: Colour fastness to spotting: alkali
TS EN ISO 105-E06 2006-12	Textiles - Tests for colour fastness - Part E06: Colour fastness to spotting: alkali
ISO 105-N01 1993-10	Textiles - Tests for colour fastness - Part N01: Colour fastness to bleaching: hypochlorite
TS EN 20105-N01 1999-04	Textiles - Tests for colour fastness - Part N01: Colour fastness to bleaching: hypochlorite
ISO 105-N02 1993-10	Textiles - Tests for colour fastness - Part N02: Colour fastness to bleaching: peroxide
EN ISO 105-N02 1995-04	Textiles - Tests for colour fastness - Part N02: Colour fastness to bleaching: peroxide
BS EN ISO 105-N 02 1995-06	Textiles - Tests for colour fastness - Part N02: Colour fastness to bleaching: peroxide
TS 400 EN ISO 105-N02 2000-04	Textiles - Tests for colour fastness - Part N02: Colour fastness to bleaching: peroxide
TS 3515 EN ISO 105-P01 2002-01	Textiles - Tests for colour fastness - Part01: Colour fastness to dry heat (excluding pressing)
ISO 105-P01 1993-10	Textiles - Tests for colour fastness - Part01: Colour fastness to dry heat (excluding pressing)
EN ISO 105-P01 1995-01	Textiles - Tests for colour fastness - Part01: Colour fastness to dry heat (excluding pressing)
TS 472 EN ISO 105-X11 2000-04	Textiles - Tests for colour fastness - Part X11: Colour fastness to hot pressing
BS EN ISO 105-X11 1996-11	Textiles - Tests for colour fastness - Part X11: Colour fastness to hot pressing
EN ISO 105-X11 1996-08	Textiles - Tests for colour fastness - Part X11: Colour fastness to hot pressing

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ISO 105-X11 1994-01	Textiles - Tests for colour fastness - Part X11: Colour fastness to hot pressing
EN ISO 105-X12 2002-09	Textiles - Tests for colour fastness - Part X12: Colour fastness to rubbing
ISO 105-X12 2001-01	Textiles - Tests for colour fastness - Part X12: Colour fastness to rubbing
TS EN ISO 105-X12 2006-04	Textiles - Tests for colour fastness - Part X12: Colour fastness to rubbing
EN ISO 5077 2008-04	Textiles - Determination of dimensional change in washing and drying
ISO 5077 2007-02	Textiles - Determination of dimensional change in washing and drying
TS 392 EN 5077 1996-02	Textiles - Determination of dimensional change in washing and drying
EN ISO 3759 2008-02	Textiles - Preparation marking and measuring of fabric specimens and garments in tests for determination of dimensional change
ISO 3759 2007-04	Textiles - Preparation marking and measuring of fabric specimens and garments in tests for determination of dimensional change
TS 4073 EN ISO 3759 1999-04	Textiles - Preparation marking and measuring of fabric specimens and garments in tests for determination of dimensional change
EN ISO 6330 2000-12	Textiles - Domestic washing and drying procedures for textile testing
ISO 6330 2000-12	Textiles - Domestic washing and drying procedures for textile testing
BS EN ISO 6330 2001-03	Textiles - Domestic washing and drying procedures for textile testing
TS 5720 EN ISO 6330 2002-04	Textiles - Domestic washing and drying procedures for textile testing
DIN V 53160-1 2002-10	Determination of the colour fastness of articles for common use - Part 1: Resistance to artificial saliva
DIN V 53160-2 2002-10	Determination of the colour fastness of articles for common use - Part 2: Resistance to artificial sweat
EN ISO 6941 2003-12	Textile fabrics - Burning behaviour - Measurement of flame spread properties of vertically oriented specimens
ISO 6941 2003-11	Textile fabrics - Burning behaviour - Measurement of flame spread properties of vertically oriented specimens

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BS EN ISO 6941 2003-01	Textile fabrics - Burning behaviour - Measurement of flame spread properties of vertically oriented specimens
TS EN ISO 6941 2007-02	Textile fabrics - Burning behaviour - Measurement of flame spread properties of vertically oriented specimens
95/28/EC 95/28/AT 1995-10	Directive 95/28/EC of the European Parliament and of the Council of October 24, 1995, relating to the burning behaviour of materials used in the interior construction of certain categories of motor vehicle - Annex IV: Test to determine the horizontal burning rate of materials
95/28/EC 95/28/AT 1995-10	Directive 95/28/EC of the European Parliament and of the Council of October 24, 1995, relating to the burning behaviour of materials used in the interior construction of certain categories of motor vehicle - Annex VI: Test to determine the vertical burning rate of materials
ISO 3795 1989-04	Road vehicles, and tractors and machinery for agriculture and forestry - Determination of burning behaviour of interior matter
TS ISO 3795 1999-04	Road vehicles, and tractors and machinery for agriculture and forestry - Determination of burning behaviour of interior materials
EN 20811 1992-06	Textiles - Determination of resistance to water penetration - Hydrostatic pressure test
ISO 811 1981-10	Textiles - Determination of resistance to water penetration - Hydrostatic pressure test
TS 257 EN 20811 1996-04	Textiles - Determination of resistance to water penetration - Hydrostatic pressure test
ASTM D 1230 1994-06	Standard test method for flammability of apparel textiles
EN 24920 1992-08	Textiles - Determination of resistance to surface wetting of fabrics (spray test)
ISO 4920 1981-05	Textiles - Determination of resistance to surface wetting of fabrics (spray test)
TS 259 EN 24920 2001-04	Textiles - Determination of resistance to surface wetting of fabrics (spray test)
ISO 14184-1 1998-12	Textiles - Determination of formaldehyde - Part 1: Free and hydrolyzed formaldehyde (water extraction method)
EN ISO 14184-1 1998-12	Textiles - Determination of formaldehyde - Part 1: Free and hydrolyzed formaldehyde (water extraction method)
BS EN ISO 14184-1 1999-03	Textiles - Determination of formaldehyde - Part 1: Free and hydrolyzed formaldehyde (water extraction method)
TS EN ISO 14184-1 2000-04	Textiles-Determination of formaldehyde - Part 1: Free and hydrolyzed formaldehyde (water extraction method)

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ISO 14184-2 1998-08	Textiles - Determination of formaldehyde - Part 2: Released formaldehyde (vapour absorption method)
EN ISO 14184-2 1998-08	Textiles - Determination of formaldehyde - Part 2: Released formaldehyde (vapour absorption method)
BS EN ISO 14184-2 1998-11	Textiles - Determination of formaldehyde - Part 2: Released formaldehyde (vapour absorption method)
TS EN ISO 14184-2 2000-04	Textiles - Determination of formaldehyde - Part 2: Released formaldehyde (vapour absorption method)
ISO 3071 2005-06	Textiles - Determination of pH of aqueous extract
EN ISO 3071 2006-03	Textiles - Determination of pH of aqueous extract
TS EN ISO 3071 2006-10	Textiles - Determination of pH of aqueous extract
Japanese law 112 1973-10	Law for the control of household products containing harmful substances (Determination of formaldehyde in Textile Materials)
ASU B 82.02-2 2004-06	Determination of carcinogenic Amines in Dyed and Printed Textiles - For detection of azo dyes without extraction
ASU B 82.02-4 2004-06	Determination of carcinogenic Amines in Dyed and Printed Textiles - For detection of azo dyes by extraction of fibers
ASU B-82.02-3 1997-03	Determination of Certain Azocolourants in Leather
BUTAL KÇM-088 2002-03	Determination of PCP in Textile Materials
BUTAL KÇM-001 2003-01	Determination of heavy metals in Textiles (Sb, Cr, Co, Cu, Ni)
BUTAL KÇM-002 2003-01	Determination of heavy metals in Textiles (Pb, Cd)
BUTAL KÇM-003 2003-01	Determination of heavy metals in Textiles (As)
BUTAL KÇM-004 2003-01	Determination of heavy metals in Textiles (Hg)
BUTAL KÇM-005 2003-01	Determination of heavy metals in Textiles (Cr+6)
BS 4790 1987-04	Method for determination of the effects of a small source of ignition on the textile floor coverings (hot metal nut test)
BS 6307 1982-10	Determination of the effects of a small source of ignition on the textile floor coverings (methenamine tablet test)

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ISO 6925 1982-03	Textile floor coverings - Burning behaviour - Tablet test at ambient temperature
TS 5193 1987-04	Textile floor coverings - Burning behaviour - Tablet test at ambient temperature
BS 5852 2006-03	Methods of test for the assessment of the ignitability of upholstered seating by smouldering and flaming ignition sources (Chapter 11: Methods of test for the ignitability of upholstery composites)
EN 597-1 1994-11	Furniture - Assessment of the ignitability of mattresses and upholstered bed bases Part 1: Ignition source: smouldering cigarette (Chapter 8.1)
TS EN 597-1 2001-03	Furniture - Assessment of the ignitability of mattresses and upholstered bed bases Part 1: Ignition source: smouldering cigarette (Chapter 8.1)
EN 597-2 1994-11	Furniture - Assessment of the ignitability of mattresses and upholstered bed bases Part 2: Ignition source: match flame equivalent (Chapter 8.1)
TS EN 597-2 2001-03	Furniture - Assessment of the ignitability of mattresses and upholstered bed bases Part 2: Ignition source: match flame equivalent (Chapter 8.1)
EN 1021-1 2006-02	Furniture - Assessment of the ignitability of upholstered furniture Part 1: Ignition source: smouldering cigarette
TS EN 1021-1 2006-07	Furniture - Assessment of the ignitability of upholstered furniture Part 1: Ignition source: smouldering cigarette
EN 1021-2 2006-02	Furniture - Assessment of the ignitability of upholstered furniture Part 2: Ignition source: match flame equivalent
TS EN 1021-2 2006-07	Furniture - Assessment of the ignitability of upholstered furniture Part 2: Ignition source: match flame equivalent
ISO 105-C08 2001-09 A 2006-05	Textiles - Test for colour fastness - Part C08: Colour fastness to domestic and commercial laundering using a nonphosphate reference detergent incorporating a low temperature bleach activator
EN ISO 105-C08 2002-11 prA1 2008-01	Textiles - Test for colour fastness - Part C08: Colour fastness to domestic and commercial laundering using a nonphosphate reference detergent incorporating a low temperature bleach activator
prEN ISO 105-C08 2009-01	Textiles - Test for colour fastness - Part C08: Colour fastness to domestic and commercial laundering using a nonphosphate reference detergent incorporating a low temperature bleach activator

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TS EN ISO 105-C08 2003-03 T1 2005	Textiles - Test for colour fastness - Part C08: Colour fastness to domestic and commercial laundering using a nonphosphate reference detergent incorporating a low temperature bleach activator
ISO 105-C09 2001-12 A1 2003-12	Textiles - Test for colour fastness - Part C09: Colour fastness to domestic and commercial laundering - Oxidative bleach response using a nonphosphate reference detergent incorporating a low temperature bleach activator
EN ISO 105-C09 2003-03 A1 2007-08	Textiles - Test for colour fastness - Part C09: Colour fastness to domestic and commercial laundering - Oxidative bleach response using a nonphosphate reference detergent incorporating a low temperature bleach activator
TS EN ISO 105-C09 2003-03 T 2005	Textiles - Test for colour fastness - Part C09: Colour fastness to domestic and commercial laundering - Oxidative bleach response using a nonphosphate reference detergent incorporating a low temperature bleach activator
ISO 105-C10 2006-06	Textiles - Test for colour fastness - Part C10: Colour fastness to washing with soap or soap and soda
EN ISO 105-C10 2007-03	Textiles - Test for colour fastness - Part C10: Colour fastness to washing with soap or soap and soda
TS EN ISO 105-C10 2008-01	Textiles - Test for colour fastness - Part C10: Colour fastness to washing with soap or soap and soda
EN ISO 14419 1999-10	Textiles-Oil repellency-Hydrocarbon resistance test
TS EN ISO 14419 2000-03 AC 2006-10	Textiles-Oil repellency-Hydrocarbon resistance test
TS 866 1985-02	Absorbency of Bleached Cotton Textile Materials - Determination of water absorption property of bleached cotton textiles

2 Analysis of leather

2.1 Physical tests

ISO 3376 2002-12	Leather - Determination of tensile strength and elongation
TS 4119 EN ISO 3376 2005-11	Leather - Determination of tensile strength and elongation
ISO 2420 2002-12	Leather - Determination of apparent density
TS 4121 EN ISO 2420 2005-04	Leather - Determination of apparent density

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ISO 2589 2002-12	Leather - Physical Testing- Measurement of thickness
TS 4117 EN ISO 2589 2005-11	Leather - Physical Testing- Measurement of thickness
ISO 3377 2002-12	Leather - Determination of tear strength
TS 4118-1 EN ISO 3377 2005-11	Leather - Determination of tear strength - Part I
ISO 3377-2 2002-12	Leather - Physical and mechanical tests - Determination of tear load - Part 2: Double edge tear
TS 4118-2 EN ISO 3377-2 2005-11	Leather - Physical and mechanical tests - Determination of tear load - Part 2: Double edge tear
ASTM D 1813 2005-04	Standard test Method for Measuring Thickness of Leather Test Specimens
ASTM D 2212 2005-04	Standard test Method for Slit Tear Resistance of Leather
ASTM D 2346 2004-09	Standard test Method for Apparent Density of Leather

2.2 Chemical tests

DIN 53309 1968-10	Determination of chromium content of leather
DIN EN ISO 5399 1998-10	Determination of water soluble magnesium salts in leather
DIN 53304 1977-12	Determination of the water content of leather
ISO 4045 2008-02	Leather - Chemical tests - Determination of pH
EN ISO 4045 2008-02	Leather - Chemical tests - Determination of pH
TS EN ISO 4045 2009-04	Leather - Chemical tests - Determination of pH
EN ISO 11640 1998-07	Leather - Tests for color fastness - Color fastness to cycles of to-and-fro rubbing
ISO 11640 1993-12	Leather - Tests for color fastness - Color fastness to cycles of to-and-fro rubbing
BS EN ISO 11640 1998-10	Leather - Tests for color fastness - Color fastness to cycles of to-and-fro rubbing

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TS EN ISO 11640
2001-04

Leather - Tests for color fastness - Color fastness to cycles of
to-and-fro rubbing

3 Analysis of water and waste water

S.M. 1060 2005	Collection and Preservation of Samples
S.M. 4500-H ⁺ B. 2005	Determination of pH - Electrometric Method
S.M. 2510 B. 2005	Determination of Conductivity - Laboratory Method
S.M. 2540 D. 2005	Determination of Total Suspended Solids - Total Suspended Solids Dried at 103-105 °C
S.M. 5220 B. 2005	Determination of Chemical Oxygen Demand (COD) Open Reflux Method
S.M. 5210 D. 2005	Respirometric Biological Oxygen Demand (BOI ₅) - Determination using the OXITOP Measuring System
S.M. 5520 B. 2005	Determination of Oil and Grease - Partition-Gravimetric Method
S.M. 2340 C. 2005	Determination of Total Hardness - EDTA Titrimetric Method
S.M. 2320 B. 2005	Determination of Total Alkalinity - Titration Method
S.M. 4500-Cl ⁻ C. 2005	Determination of Chloride (Cl ⁻) - Mercuric Nitrate Method
S.M. 4500-S ⁻² F. 2005	Determination of Sulfide (S ⁻²) - Iodometric Method
S.M. 4500-SO ₃ ⁻² B. 2005	Determination of Sulfite (SO ₃ ⁻²) - Iodometric Method
S.M. 4500-SO ₄ ⁻² E. 2005	Determination of Sulfate (SO ₄ ⁻²) - Turbidimetric Method
S.M. 4500-NH ₃ F. 2005	Determination of Ammonia (NH ₃) - Phenate Method
S.M. 4500-NO ₂ ⁻ B. 2005	Determination of Nitrite (NO ₂ ⁻) - Colorimetric Method
TS 6231 1988 -12	Water Quality - Determination of Nitrate (NO ₃ ⁻)
S.M. 3500-Cr B. 2005	Determination of Chromium ⁺⁶ (Cr ⁺⁶) - Colorimetric Method

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S.M. 4500-P D. 2005	Determination of Phosphorus - Stannous Chloride Method
S.M. 4500-CN E. 2005	Determination of Total Cyanide - Colorimetric Method
S.M. 5310 B. 2005	Determination of Total Organic Carbon (TOC) - High Temperature Combustion Method
S.M. 3111 B. 2005	Determination of Heavy Metals by Atomic Absorption Spectrophotometer - Direct Air-Acetylene Flame Method
S.M. 3112 B. 2005	Determination of Heavy Metals by Atomic Absorption Spectrophotometer - Cold-Vapor Atomic Absorption Spectrometric Method
S.M. 3113 B. 2005	Determination of Heavy Metals by Atomic Absorption Spectrophotometer - Electrothermal Atomic Absorption Spectrometric Method
S.M. 3114 C. 2005	Determination of Heavy Metals by Atomic Absorption Spectrophotometer - Continuous Hydride Generation/Atomic Absorption Spectrometric Method
ISO 15587-1 2002-03	Water quality - Digestion for the determination of selected elements in water - Part 1: Aqua regia digestion
ISO 15587-2 2002-03	Water quality - Digestion for the determination of selected elements in water - Part 2: Nitric acid digestion
ISO 17294-2 2003-09	Water quality - Application of inductively coupled plasma mass spectrometry (ICP-MS) - Part 2: Determination of 62 elements
S.M.2130 B. 2005	Turbidity - Nephelometric Method
S.M.2540 B. 2005	Total Solids Dried at 103-105 °C
S.M.2540 C. 2005	Total Dissolved Solids Dried at 180 °C
S.M.2540 E. 2005	Fixed and Volatile Solids Ignited at 550 °C
S.M.2540 F. 2005	Settleable Solids
S.M.2310 B. 2005	Acidity - Titration Method
S.M.4500-F D. 2005	Fluoride - SPADNS Method
S.M.4500-Cl G. 2005	Chlorine - DPD Colorimetric Method

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S.M.4500-O G. 2005	Oxygen (Dissolved) - Membrane Electrode Method
S.M.4500-CO ₂ C. 2005	Carbondioxide - Titrimetric Method for Free Carbon Dioxide
S.M.3500-Ca B. 2005	Calcium - EDTA Titrimetric Method
S.M.5540 C. 2005	Surfactants - Anionic Surfactants as MBAS
S.M.5530 D. 2005	Phenols - Direct Photometric Method
S.M.2120 B. 2005	Colour - Visual Comparison Method
S.M.5520 F. 2005	Oil and Grease - Hydrocarbons
S.M.4500 B-C. 2005	Boron - Curcumin Method/Carmine Method
TS-EN-ISO 10304-1 1997-04	Water quality - Determination of dissolved fluoride, chloride, nitrite, orthophosphate, bromide, nitrate and sulfate ions, using liquid chromatography of ions - Part 1: Method for water with low contamination
TS-EN-ISO 10304-2 1997-04	Water quality - Determination of dissolved anions by liquid chromatography of ions - Part 2: Determination of bromide, chloride, nitrate, nitrite, orthophosphate and sulfate in waste water
ISO 5663 1984-05	Water quality - Determination of Kjeldahl nitrogen - Method after mineralization with selenium
DIN 38409-28 1992-04	Determination of bound nitrogen after reduction with Devarda's alloy and catalytic digestion
ASTM D 6052 2008-03	Standard test method for preparation and elemental analysis of liquid hazardous waste by EDXRF spectrometry

4 Analysis of waste oil

TS IEC 60997 2001-03	Determination of PCBs in waste oil
EN 12766-1 2000-03	Petroleum products and used oils - Determination of PCB's and related products - Part 1: Separation and determination of selected PCB congeners by gas chromatography (GC) using an electron capture detector(ECD) / Mass Detector (instead of ECD)

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EN 12766-2 2001-07	Petroleum products and used oils - Determination of PCB's and related products - Part 2: Calculation of polychlorinated biphenyl (PCB) content
EPA 3031 1996-12	Acid Digestion of Oils for Metals analysis by Atomic Absorption or ICP Spectrometry
EPA 7130 1986-09	Cadmium (Atomic Absorption, Direct Aspiration) / Cd
EPA 7420 1986-09	Lead (Atomic Absorption, Direct Aspiration) / Pb
EPA 7061A 1992-07	Arsenic (Atomic Absorption, Gaseous Hydride) / As
EPA 7190 1986-09	Chromium (Atomic Absorption, Direct Aspiration) / Cr
ASTM D-93a IP 34/99 2008	Flash Point
EPA 5050 1994-09	Bomb preparation method for solid waste
EPA 9253 1994-09	Bomb Preparation Method for Solid Waste - Chloride (Titrimetric, Silver Nitrate)

5 Noise Measurement

Directive 2002/49/EC 2002	Noise Control Regulation
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in connection with:

<i>TS ISO 1996-2 2009-03</i>	<i>Determination of environmental noise levels</i>
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6 Analysis of food stuff

ISO 5516 1978-12	Fruits, vegetables and derived products - Decomposition of organic matter prior to analysis - Ashing method
ISO 5515 1979-02	Fruits, vegetables and derived products - Decomposition of organic matter prior to analysis - Wet method
ISO 7952 1994-10	Fruits, vegetables and derived products - Determination of copper (Cu) content - Method using flame atomic absorption spectrometry
ISO 6637 1984-06	Fruits, vegetables and derived products - Determination of mercury (Hg) content - Flameless atomic absorption method

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ISO 6561-1 2005-02	Fruits, vegetables and derived products - Determination of cadmium (Cd) content - Method using graphite furnace atomic absorption spectrometry
ISO 6633 1984-09	Fruits, vegetables and derived products - Determination of lead (Pb) content - Flameless atomic absorption spectrometric method
ISO 9526 1990-04	Fruits, vegetables and derived products - Determination of iron (Fe) content by flame atomic absorption spectrometry
ISO 2173 2003-12	Fruit and vegetable products - Determination of soluble solids - Refractometric method
TS 4890 1986-05	Fruit and vegetable products - Determination of soluble solids - Refractometric method
ASU L 00.00-9 1984-11	Determination of Preservatives in Foods - Low Fat Content
ASU L 00.00-10 1984-11	Determination of Preservatives in Foods - High Fat Content
TS 5049 1987-02	Determination of BHA/BHT in Animal and Vegetable Oil and Fats - Gas Chromatographic Method
TS 4664 EN ISO 5508 1996-04	Composition of Fatty acids in Vegetable Oils
TS 3606 1997-04	Food stuffs - Determination of metals and other elements - Atomic absorption spectrophotometric method
AOAC International Vol. 88, No. 2 2005-3/4	Hazelnut and hazelnut paste aflatoxin extraction method (by HPLC)
TS 1135 ISO 712 2001-01	Cereals and cereals products - Determination of moisture content (Routine reference method)
TS 1511 ISO 2171 2000-10	Cereals and milled cereal products- Determination of total ash
TS 765 1969-07	Oilseed Residues - Determination of Diethyl Ether Extract
TS 4960 EN ISO 6320 2004-04	Animal and vegetable fats and oils - Determination of refractive index
TS 4961 EN ISO 3961 1997-02	Animal and vegetable fats and oils - Determination of iodine value
TS EN ISO 3960 2006-10	Animal and vegetable fats and oils - Determination of peroxide value

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ISO 1871 1975-12	Agricultural food products - General directions for the determination of nitrogen by Kjeldahl Method
BS EN ISO 6869 2001-03	Animal feeding stuffs - Determination of the contents of calcium, copper, iron, magnesium, manganese, potassium, sodium and zinc - Method using atomic absorption spectrometry
BUTAL GTM-040 2008-02	Determination of Mg, P, K, Ca elements in the seeds of common vetch by energy dispersive X-ray fluorescence (EDXRF) spectrometer
EN 12014-2 1997-04	Foodstuffs - Determination of nitrate and/or nitrite content - Part 2:HPLC/IC method for the determination of nitrate content of vegetables and vegetable products
TS EN 12014-2 2001-01	Foodstuffs - Determination of nitrate and/or nitrite content - Part 2: HPLC/IC method for the determination of nitrate content of vegetables and vegetable products
BUTAL GTM-042 2008-01	Determination of selective organochlorine and organo-phosphorous pesticides in fruits and vegetables by GCECD and GCNPD
ISO 660 1996-05	Vegetable and animal fats and oils - Determination of acid value and acidity
TS 1605 EN ISO 660 1997-04	Vegetable and animal fats and oils - Determination of acid value and acidity
ISO 8534 2008-07	Animal and vegetable fats and oils - Determination of water content - Karl Fischer method
TS ISO 8534 2000-03	Animal and vegetable fats and oils - Determination of water content - Karl Fischer method
ISO 760 1978-01	Determination of water; Karl Fischer method (general method)
TS ISO 760 2007-04	Determination of water; Karl Fischer method (general method)
Harmonised Methods of the International Honey Commission (2002)	Determination of sugars by HPLC (Chapter 7.2) (only glucose and fructose)
Harmonised Methods of the International Honey Commission (2002)	Determination of moisture, refractometric method (Chapter 1)
TS EN ISO 15061 2003-04	Water quality - Determination of dissolved bromate - Method by liquid chromatography of ions
S.M. 6630 B 2005	Determination of organochlor pesticides in water

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TS 9266 EN ISO 10301 1999-03	TS 9266 EN ISO 10301 (1999:03) Water Quality - Determination of highly volatile halogenated hydrocarbons – Gas chromatographic methods
BUTAL GTM-051 2008-01	Determination of polycyclic aromatic hydrocarbons in drinking water by liquid-liquid extraction and HPLC with fluorescence detection [Benzo(b)fluoranthene, Benzo(k)fluoranthene, indeno(1,2,3-cd)pyrene, Benzo(ghi)perylene]
DS/EN 14177 2004-01	Foodstuffs - Determination of patulin in clear and cloudy apple juice and puree - HPLC method with liquid/liquid partition clean- up
BUTAL GTM-053 2008-11	Determination of vitamin A acetate in premix by HPLC
BUTAL GTM-054 2008-11	Determination of vitamin E (dl-alpha-tocopheryl acetate) in premix by HPLC

7 Analysis of soil

ISO 13877 1998-09	Soil quality - Determination of polynuclear aromatic hydro- carbons - Method using high-performance liquid chromato- graphy
EPA 3051 1994-09	Microwave Assisted Acid Digestion of Sediments, Sludges, Soils and Oils
EPA 3050B 1996-12	Acid Digestion of Sediments, Sludges and Soils
BUTAL KÇM -109 2009-02	Method for Elemental Analysis Soil Samples by EDXRF

8 Hazardous Waste Analyses

TS EN 12457-4 2004-01	Characterisation of waste - Leaching - Compliance test for leaching of granular waste materials and sludges. Part 4: One stage batch test at a liquid to solid ratio of 10 L/kg for materials with particle size below 10 mm (without or with size reduction)
TS 12089 EN 13137 2003-02	Characterization of waste - Determination of total organic carbon (TOC) in waste, sludges and sediments
EN 12879 2000-08	Characterization of sludges - Determination of the loss of ignition of dry mass
S.M. 3111 B. 2005	Metals by Flame Atomic Absorption Spectrometry - Direct Air Acetylene Flame Method
S.M. 3113 B. 2005	Metals by Electrothermal Atomic Absorption Spectrometry - Electrothermal Atomic Absorption Spectrometric Method

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ISO 17294-2 2003-09	Water quality - Application of inductively coupled plasma mass spectrometry (ICP-MS) - Part 2: Determination of 62 elements
S.M. 3114 B. 2005	Arsenic and Selenium by Hydride Generation Atomic Absorption Spectrometry - Manual Hydride Generation Atomic Absorption Spectrometric Method
S.M. 3112 B. 2005	Metals by Cold-Vapour Atomic Absorption Spectrometry - Cold-Vapour Atomic Absorption Spectrometric Method
S.M.4500-Cl ⁻ C. 2005	Chlorine - Iodometric Method II
S.M.4500-F ⁻ D. 2005	Fluoride - SPADNS Method
S.M.4500-SO ₄ ⁻² E. 2005	Sulfate - Turbidimetric Method
S.M.5530 D. 2005	Phenols - Direct Photometric Method
S.M.2540 C. 1998	Solids - Total Dissolved Solids Dried at 180°C
EPA 5021 1996-12	Volatile Organic Compounds in Soils and Other Solid Matrices Using Equilibrium Headspace Analysis
EPA 8082A 2007-02	PCBs by Gas Chromatography
S.M. 5520 E 2005	Determination of Mineral Oil in Sludge, Sediments and Solid Samples (Extraction Method for Sludge Samples)
S.M. 5520 F 2005	Determination of Mineral Oil in Sludge, Sediments and Solid Samples (Hydrocarbons)
EPA 9071B 1998-04	Determination of Mineral Oil in Sludge, Sediments and Solid Samples (n-hexane extractable materials (HEM) for Sludge, Sediment, and soil samples)
EN 14039 2004-07	Characterization of waste - Determination of hydrocarbon content in the range of C10 to C40 by gas chromatography
TS EN 14039 2004-12	Characterization of waste - Determination of hydrocarbon content in the range of C10 to C40 by gas chromatography
BUTAL KÇM-112 2008-04	Determination of Lead, Mercury, Cadmium and Total Chromium content in Plastic products by Energy Dispersive X- Ray Fluorescence Spectrometry

9 Coal Analyses

TS 711 ISO 562 2002-03	Hard Coal and Coke - Determination of Volatile Matter
ISO 562 1998-02	Hard Coal and Coke - Determination of Volatile Matter
ISO 13909-4 2001-12	Hard coal and coke - Mechanical sampling - Part 4: Coal - Preparation of test samples
ISO 589 2008-11	Hard Coal - Determination of Total Moisture
ISO 1171 1997-12	Solid mineral fuels - Determination of ash content
ISO 334 1992-12	Solid mineral fuels - Determination of total sulfur-Eschka method
TS ISO/TS 12902 2004-04	Solid mineral fuels - Determination of total carbon, hydrogen and nitrogen - Instrumental methods
ISO 1928 2009-06	Determination of Gross Calorific Values by the Calorimetric Bomb Method and Calculation of Net Calorific Values
ISO 501 2003-11	Hard coal - Determination of the swelling number
TS 831 ISO 501 2001-02	Coal - Determination of the crucible swelling number
ASTM D 4239 2008-02	Standard test methods for sulphur in analysis sample of coal and coke using high temperature tube furnace combustion methods
ASTM D 5142 2009-02	Standard test methods for proximate analysis of the analysis sample of coal and coke by instrumental procedures

10 Fuel-oil Analyses

ASTM D 97 2008-09	Standard Test Method for Pour Point of Petroleum Products
ASTM D 482-07 2007-12	Standard Test Method for Ash from Petroleum Products
ASTM D 129 2005-05	Standard Test Method for Sulfur in Petroleum Products (General Bomb Method)
TS 1539 2007-03	Sulfur Determination in Petroleum Products (Bomb, lamp and turbidimetric methods)

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ASTM D 4052 2002	Standard Test Method for Density and Relative Density of Liquids by Digital Density Meter
TS 1740 2006-12	Liquid hydrocarbon fuels determination of heat of combustion bomb calorimeter method
ASTM D 93 2008-10	Standard test method for flash point by Pensky Martens closed cup tester
TS 124 / EN 1428 2002-04	Bitumen and bituminous binders - Determination of water content in bitumen emulsions - Azeotropic distillation method Water
ASTM D 88 2007-11	Standard test method for Saybolt Viscosity
ASTM D 473 2007-05	Standard Test Method for Sediment in Crude Oils and Fuel Oils by the Extraction Method.
TS EN 12662 2009-04	Liquid petroleum products-Determination of Contamination in middle distillates
EN ISO 20847 2004-03	Petroleum products - Determination of sulfur content of automotive fuels - Energy-dispersive X-ray fluorescence spectrometry
TS EN ISO 8754 2006-10	Petroleum Products - Determination of sulphur content - EDXRF spectrometry
ASTM D 4294 2008-11	Standard test method for sulphur in petroleum products by EDXRF spectrometry
ASTM D 445 2006-05	Standard Test Method for Kinematic Viscosity of Transparent and Opaque Liquids (and Calculation of Dynamic Viscosity)

11 Measurements of Stack Gases

TS ISO 9096 2004-04	Stationary source emissions - Manual determination of mass concentration of particulate matter
EPA 6C 1990-03	Determination of sulfur dioxide emissions from stationary sources (Instrumental analyzer procedure)
ASTM D 6522 2005	Standard test method for determination of nitrogen oxides, carbon monoxide and oxygen concentrations in emissions from natural gas-fired reciprocating engines, combustion turbines, boilers and process heaters using portable analyzers
ISO 12141 2002-11	Stationary Source Emissions - Determination of mass concentration of particulate matter (dust) at low concentrations - Manual gravimetric method
TS ISO 10780 1999-04	Stationary Source Emissions - Measurement of velocity and volume flowrate of gas streams in ducts

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TS ISO 7935 1999-04	Stationary Source Emissions - Determination of the mass concentration of sulphur dioxide - Performance characteristics of automated measuring methods
ISO 12039 2001-06	Stationary Source Emissions - Determination of carbon monoxide, carbon dioxide and oxygen - Performance characteristics and calibration of automated measuring systems
EPA CTM-022 1998-04	Determination of Nitric oxide, Nitrogen dioxide and NO _x emissions from stationary combustion sources by electrochemical analyzer
BUTAL KÇM-114 2009-01	Determination of Trace Metals in filter samples for Ambient Air Measurements by ICP-MS

12 Biodiesel Analysis

TS EN 14103 2007-02	Fat and Oil Derivatives - Determination of Ester and Linolenic Acid Methyl Ester Content
EN ISO 12185 1996-06	Crude Petroleum and Liquid Petroleum Products - Determination of Density - Oscillating U-tube method
ISO 3104 1994-10	Petroleum products - Transparent and opaque liquids - Determination of kinematic viscosity and calculation of dynamic viscosity
TS 1451 EN ISO 3104 1999-04	Petroleum products - Transparent and opaque liquids - Determination of kinematic viscosity and calculation of dynamic viscosity
ISO 3679 2004-04	Determination of Flash point - Rapid Equilibrium Closed Cup Method
ISO 10370 1993-09	Petroleum Products - Determination of Carbon residue - Micro method
ISO 3987 1994-12	Petroleum Products - Lubricating oils and additives - Determination of sulfated ash content
ISO 12937 2000-11	Petroleum Products - Determination of water - Coulometric Karl Fischer Titration Method
ISO 2160 1998-09	Petroleum products - Corrosiveness to copper - Copper strip test
BS EN 14112 2003-04	Fat and Oil Derivatives - Fatty Acid Methyl Esters (FAME) - Determination of oxidation stability (accelerated oxidation test)
BS EN 14104 2003-04	Fat and Oil Derivatives - Fatty Acid Methyl Esters (FAME) - Determination of acid value
BS EN 14111 2003-04	Fat and Oil Derivatives - Fatty Acid Methyl Esters (FAME) - Determination of iodine value

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BS EN 14108 2003-04	Fat and Oil Derivatives - Fatty Acid Methyl Esters (FAME) - Determination of sodium content by atomic absorption spectrometry
BS EN 14109 2003-04	Fat and Oil Derivatives - Fatty Acid Methyl Esters (FAME) - Determination of potassium content by atomic absorption spectrometry
BS EN 14107 2003-04	Fat and Oil Derivatives - Fatty Acid Methyl Esters (FAME) - Determination of phosphorous content by inductively coupled plasma (ICP) emission spectrometry
TS EN 14105 2007-02	Fat and Oil derivatives - Fatty Acid Methyl Esters (FAME) - Determination of free and total glycerol and mono-, di-, tri-glyceride contents (Reference method)
EN 14110 2003-07	Fat and Oil derivatives - Fatty Acid Methyl Esters (FAME) - Determination of methanol content
EN 14538 2006-06	Fat and oil derivatives - Fatty acid methyl ester (FAME) - Determination of Ca, K, Mg and Na content by optical emission spectral analysis with inductively coupled plasma (ICP OES) (Deviation: <i>here only Ca and Mg</i>)
BUTAL KÇM -099 2007-08	Fat and Oil derivatives - Fatty Acid Methyl Esters (FAME) - Determination of sulphur content - EDXRF spectrometry
TS EN 116 1988-12	Diesel and domestic heating fuels - Determination of cold filter plugging point

abbreviations used:

AOAC	Association of Official Analytical Chemists
ASTM	American Society for Testing and Materials
ASU L	Official Collection of German Standard Methods for the analysis of foodstuff
ASU B	Official Collection of German Standard Methods for the analysis of commodity products
BS	British Standard
BUTAL KÇM-XYZ	BUTAL In-house test method
DIN	Deutsches Institut für Normung e.V.
EN	European Standard
EPA	Environmental protection agency
EPA CTM	EPA - Conditional Test Methods
ISO	International Organization for Standardization
S.M.	Standard Methods for the Examination of Water and Wastewater (21 th edition 2005, Eds.: L. S. Clescerl, A. E. Greenberg, A. D. Eaton)
TS	Turkish Standard