

DGA Deutsche Gesellschaft für Akkreditierung mbH

Annex to the Accreditation Certificate DGA-PL-4321.00 Accreditation based on DIN EN ISO/IEC 17025:2005

Period of validity: 2009-11-30 to 2014-02-03

Holder of the certificate: **JSC „Labtarna“**

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Tests in the areas: **selected physical-chemical, chemical, microbiological and immunological tests of food and feeding stuffs; selected physical-chemical and chemical tests of solid biofuels**

abbreviations used: see last page

1 Physical-chemical, chemical, microbiological and immunological tests of food and feeding stuffs

1.1 Physical-chemical and chemical tests

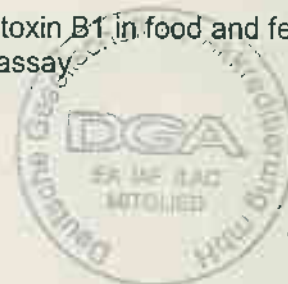
LST EN ISO 5983-1 2005-08	Animal feeding stuffs - Determination of nitrogen content and calculation of crude protein content - Part 1: Kjeldahl method (ISO 5983-1:2005)
GAFTA Method 4:0 2003-01	Crude protein
LST EN ISO 5983-1 2005-08	Animal feeding stuffs - Determination of nitrogen content and calculation of crude protein content - Part 1: Kjeldahl method (ISO 5983-1:2005)
LST EN ISO 6865 2001-10	Animal feeding stuffs – Determination of crude fibre content - Method with intermediate filtration (ISO 6865:2000)
GAFTA Method 10:0 2005-03	Crude fibre for all feeding stuffs
European Commission Directive 98/64/EC, Part B 1998-09	Animal feeding stuffs - Determination of crude oils and fats
LST ISO 6496 2004-03	Animal feeding stuffs - Determination of moisture and other volatile matter content (identical ISO 6496:1999)

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GAFTA Method 2:1 2005-03	Determination of moisture in feeding stuffs
GAFTA Method 3:0 2003-03	Oil Procedure A - Solvent extraction for all feeding stuffs - crude oils and fats
LST EN 15550 2008-01	Animal feeding stuffs - Determination of cadmium and lead by graphite furnace atomic absorption spectrometry (GF-AAS) after pressure digestion
LST EN 13806 2002-12	Foodstuffs - Determination of trace elements - Determination of mercury by cold-vapour atomic absorption spectrometry (CVAAS) after pressure digestion
LST EN 14546 2005-06	Foodstuffs - Determination of trace elements - Determination of total arsenic by hydride generation atomic absorption spectrometry (HGAAS) after dry ashing
LST EN 14084 2003-12	Foodstuffs. Determination of trace elements. Determination of lead, cadmium, zinc, copper and iron by atomic absorption spectrometry (AAS) after microwave digestion
LST EN ISO 17375 2006-07	Animal feeding stuffs - Determination of aflatoxin B1 (ISO 17375:2006)
LST EN 12955 2000-11	Foodstuffs - Determination of aflatoxin B1, and the sum of aflatoxins B1, B2, G1 and G2 in cereals, shell-fruits and derived products - High performance liquid chromatographic method with post column derivatization and immunoaffinity column clean up
LST EN ISO 15141-1 2001-11	Foodstuffs - Determination of ochratoxin A in cereals and cereal products - Part 1: High performance liquid chromatographic method with silica gel clean up (ISO 15141-1:1998)
LST EN ISO 15141-2 2001-11	Foodstuffs - Determination of ochratoxin A in cereals and cereal products - Part 2: High performance liquid chromatographic method with bicarbonate clean up (ISO 15141-2:1998)
SOP 5.4-72 2009-06	Foodstuffs - Determination of Zearalenone in cereals and cereal products - High performance liquid chromatographic method
SOP 5.4-73 2009-06	Foodstuffs - Determination of Deoxyvalenol in cereals and cereal products - High performance liquid chromatographic method

1.2 Immunological tests of food and feeding stuffs

SOP 5.4-30 R-Biopharm method 2009-02	Quantitative analysis of Aflatoxin B1 in food and feeding stuffs by Enzyme-Linked-Immunoassay
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SOP 5.4-31 R-Biopharm method 2009-03	Quantitative analysis of Deoxynivalenol in food and feeding stuffs by Enzyme-Linked-Immunoassay
SOP 5.4-44 R-Biopharm method 2009-03	Quantitative analysis of Ochratoxin A in food and feeding stuffs by Enzyme-Linked-Immunoassay
SOP 5.4-32 R-Biopharm method 2009-02	Quantitative analysis of Aflatoxin sum in food and feeding stuffs by Enzyme-Linked-Immunoassay
SOP 5.4-33 R-Biopharm method 2009-03	Quantitative analysis of Zearalenone in food and feeding stuffs by Enzyme-Linked-Immunoassay
SOP 5.4-34 R-Biopharm method 2009-03	Quantitative analysis of T-2 in food and feeding stuffs by Enzyme-Linked-Immunoassay

1.3 Microbiological tests of food and feeding stuffs

LST EN ISO 4833 2003-12	Microbiology of food and animal feeding stuffs - Horizontal method for the enumeration of microorganisms - Colony-count technique at 30 degrees C (ISO 4833:2003)
LST ISO 4832 2006-06	Microbiology of food and animal feeding stuffs - Horizontal method for the enumeration of coliforms-Colony count technique (identical ISO 4832:2006)
LST EN ISO 6579 2003-08 AC:2005-03 AC:2006-06 P:2007-09	Microbiology of food and animal feeding stuffs - Horizontal method for the detection of Salmonella spp (ISO 6579:2002/Cor.1:2004)
LST ISO 16649-2 2002-04	Microbiology of food and animal feeding stuffs - Horizontal method for the enumeration of -glucuronidase- positive Escherichia coli - Part 2: Colony-count technique at 44 °C using 5-bromo-4-chloro-3-indolyl -D- glucoronide
LST EN ISO 7937 2004-10	Microbiology of food and animal feeding stuffs - Horizontal method for the enumeration of Clostridium perfringens - Colony-count technique (ISO 7937:2004)
LST EN ISO 11290-1 2003-07 A1:2004-12	Microbiology of food and animal feeding stuffs - Horizontal method for the detection and enumeration of Listeria monocytogenes - Part 1: Detection method - Amendment 1: Modification of the isolation media and the haemolysis test, and inclusion of precision data (ISO 11290-1:1996/AM1:2004)



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LST EN ISO 11290-2 2003-07 A1:2004-12	Microbiology of food and animal feeding stuffs - Horizontal method for the detection and enumeration of <i>Listeria monocytogenes</i> - Part 2: Enumeration method - Amendment 1: Modification of the enumeration medium (ISO 11290-2:1998/AM1:2004)
ISO 21528-2 2004-08	Microbiology of food and animal feeding stuffs - Horizontal methods for the detection and enumeration of <i>Enterobacteriaceae</i> - Part-2 : Colony count method
LST EN ISO 6888-1 2000-12 A1:2004-09	Microbiology of food and animal feeding stuffs - Horizontal method for the enumeration of coagulase-positive staphylococci (<i>Staphylococcus aureus</i> and other species) - Part 1: Technique using Baird-Parker agar medium - Amendment 1: Inclusion of precision data (ISO 6888-1:1999/Amd 1:2003)
LST EN ISO 7932 2005-01	Microbiology of food and animal feeding stuffs - Horizontal method for the enumeration of presumptive <i>Bacillus cereus</i> - Colony-count technique at 30 °C (ISO 7932:2004)
LST ISO 21527-1 2008-09	Microbiology of food and animal feeding stuffs - Horizontal method for the enumeration of yeasts and moulds - Part 1: Colony count technique in products with water activity greater than 0,95 (ISO 21527-1:2008, identical)
LST ISO 21527-2 2008-09	Microbiology of food and animal feeding stuffs - Horizontal method for the enumeration of yeasts and moulds - Part 2: Colony count technique in products with water activity less than or equal to 0,95 (ISO 21527-2:2008, identical)

2 Physical-chemical and chemical tests of solid biofuels

LST CEN/TS 14918 2006-02 P:2008-02	Solid biofuels - Method for the determination of caloric value
LST CEN/TS 14775 2005-02	Solid biofuels - Method for the determination of ash content
LST CEN/TS 14774-1 2005-02 P:2007-02	Solid biofuels - Methods for determination of moisture content; Oven dry method - Part 1: Total moisture - Reference method
LST CEN/TS 14774-2 2006-05 P:2007-02	Solid biofuels - Methods for the determination of moisture content - Oven dry method - Part 2: Total moisture - Simplified method
LST CEN/TS 14774-3 2005-02 P:2007-02	Solid biofuels - Methods for the determination of moisture content - Oven dry method - Part 3: Moisture in general analysis sample



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LST CEN/TS 15103 2005-10	Solid biofuels - Methods for the determination of bulk density
LST CEN/TS 15149-1 2006-05	Solid biofuels - Methods for the determination of particle size distribution - Part 1: Oscillating screen method using sieve apertures of 3,15 mm and above
LST CEN/TS 15149-2 2006-05	Solid biofuels - Methods for the determination of particle size distribution - Part 2: Vibrating screen method using sieve apertures of 3,15 mm and below
LST CEN/TS 15289 2007-01	Solid Biofuels - Determination of total content of sulphur and chlorine
LST CEN/TS 15148 2006-05	Solid biofuels - Method for the determination of the content of volatile matter
LST CEN/TS 15290 2007-01	Solid Biofuels - Determination of major elements
LST CEN/TS 15297 2007-01	Solid Biofuels - Determination of minor elements

abbreviations used:

ISO	International Organization for Standardization
CEN/TS	Technical Specification
EN	European Standard
GAFTA	Grain & Feed Trade Association
LST	Lithuanian Standard
SOP-xxx	Labtarna in-house method

