

DAP Deutsches Akkreditierungssystem Prüfwesen GmbH

Annex to the Accreditation Certificate DAP-PL-3393.00 according to ISO/IEC 17025:2005

Period of validity: 2007-01-15 to 2010-09-04

Holder of the certificate: **Pieno Tyrimai**

Radvilų Dvaro 31
48331 Kaunas
Lithuania

Tests in the areas: **selected physical-chemical, chemical and microbiological tests of milk and milk products; sampling of raw milk**

Abbreviations used: see last page

***) Within the fields of testing marked by *, the laboratory is allowed to introduce, modify and develop test methods without being required to give prior notice to or without seeking prior approval from DAP German Accreditation System for Testing. The following test methods are given only as examples.**

1 Sampling of raw milk

LST EN ISO 707 1992-12	Milk and Milk Products – Guidance on Sampling (Deviation: <i>application only for raw milk</i>)
Lithuanian Regulation Order No.146 2001-05 (last amendment 2006-07)	Milk Purchase Rules approved by the Minister of Agriculture of the Republic of Lithuania (Deviation: <i>application only for raw milk</i>)
507DI01 2005-09	Sampling of Milk - Producer's milk
504DI16 2006-10	Formation of pool samples for testing on diseases

2 Physical-chemical, chemical and microbiological tests of milk and milk products

LST ISO 488 2002-11	Milk - Determination of fat content - Gerber butyrometers
LST ISO 1211 2002-10	Milk - Determination of fat content – Gravimetric method (Reference method)
LST ISO 2446 2003-06	Milk - Determination of fat content (Routine method)
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 °C (Deviation: <i>application only for raw milk</i>)
LST ISO 5764 2004-03	Milk - Determination of freezing point - Thermistor cryoscope method (Reference method)
LST ISO 9622 2000-11	Whole milk - Determination of milk fat, protein and lactose content – Guidance on the operation of mid-infrared instruments (<i>Also applicable for urea content</i>)
LST ISO 8968-1 2002-10	Milk- Determination of nitrogen content – Part 1: Kjeldahl method
LST ISO 8968-2 2002-10	Milk - Determination of nitrogen content - Part 2: Block digestion method (Macro method)
LST ISO 8968-4 2002-10	Milk - Determination of nitrogen content - Part 4: Determination of non-protein nitrogen content
LST EN ISO 13366-1 1999-02	Milk - Enumeration of somatic cells – Part 1: Microscopic method
LST EN ISO 13366-3 1999-03	Milk - Enumeration of somatic cells – Part 3: Fluoro-opto-electronic method
504DI14 2006-10	Preparation LPT for determining inhibitors in milk (ST 3381629-01; 2000-03, based on 91/180/EEC: Commission Decision of 14 th February 1991, laying down certain methods of analysis and testing of raw milk and heat treated milk)
AOAC 984.15 1990 (15 th edition)	Lactose in milk – Enzymatic method
IDF 161A 1995-12	Milk – Quantitative Determination of Bacteriological Quality

Anlage zur Akkreditierungsurkunde DAP-PL-3393.00

Lithuanian Regulation Order No. 318 2000-11	Determination of total bacterial count in raw milk by Cobra-Asterias system method approved by the Minister of Agriculture of the Republic of Lithuania
504DI18 2006-09	Enumeration of the total bacterial count in raw milk by flow cytometry

3 Determination of urea in milk*

504SVP14 2006-10	Determination of urea in milk by enzymatic method
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Abbreviations used:

AOAC	Association of Official Analytical Chemists (USA)
EN	European Standard
IDF	International Dairy Federation
ISO	International Organization for Standardization
LST	Lithuanian Standard
50X DIYZ	SE Pieno Tyrimai work instruction
50XSVPXY	SE Pieno Tyrimai standard operation procedure