

## Standard Summary Project Fiche

### 1. Basic Information

**1.1 CRIS Number: 2004/016-925-01-04**

**Twinning: LT/2004/AG/04**

**1.2.Title:** Strengthening of official control of food safety and residues in food in the Republic of Lithuania

**1.3.Sector:** Agriculture

**1.4. Location:** State Food and Veterinary Service, Lithuania

### 2. Objectives

#### 2.1. Overall objective:

The overall objective of this project (total amount of **1.311 MEUR** of which **0.192 MEUR** will be provided as national co-financing), is to assure standards on food safety in line with the relevant EU legislation.

#### 2.2. Project purposes:

With a view to strengthening the food control system in the Republic of Lithuania the project purposes are as follows:

- To strengthen the implementation of annual residues control programmes;
- To ensure consumer safety by strengthening the administrative and technical capacities of State Food and Veterinary Service and National Veterinary Laboratory through improved control of veterinary drugs, pesticide residues, PCBs, dioxins, heavy metals and other contaminants in food;
- To strengthen the technical capacities of NVL via supplying it with modern equipment for the implementation of new testing and confirmatory methods for PCBs, dioxins, veterinary drugs residues, metals in food and drinking water.

#### 2.3. Justification

Food and Veterinary Office of Health and Consumer Protection Directorate General of European Commission carried out inspection mission from 19 to 23 May 2003. In the report (Ref. No. DG (SANCO)/9161/2003) inspectors from FVO identified the lack of technical/scientific expertise and absence of suitable equipment:

“The State Food and Veterinary Service have sole responsibility for food control. The inspection services are operational but additional efforts, in areas such as those listed below, will be necessary. The implementation of monitoring programmes of pesticides and contaminants needs to be strengthened.”

The necessity for the strengthening the official control of residues in food was underlined in the Comprehensive monitoring report on Lithuania's preparations for membership, Chapter 7: Agriculture: "The residue-monitoring programme does not meet EU requirements".

### 3.1. Background and justification

The State Food and Veterinary Service of the Republic of Lithuania (SFVS) is the competent authority in the Republic of Lithuania, responsible for the implementation of the state policy in the field of food and veterinary and effects food control at all the stages of food handling "from stable to table" and "from farm to fork". In the system of the State Food and Veterinary Service about 1380 people are employed, 67 of whom are engaged at the headquarters.

The objectives of the State Food and Veterinary Service are as follows:

- to safeguard the interests of the consumers, to ensure that the food supplied on the internal market and intended for export complies with the requirements for safety, labelling and other mandatory indicators established by the legal acts;
- to ensure veterinary and hygiene control at all the stages of food handling (from rearing plants and animals intended for food to supplying of the food to consumers);
- to prevent the introduction onto the territory of the country of contagious animal diseases, to arrange protection of animals from contagious diseases and the eradication of disease focuses, to ensure the welfare of animals;
- to promote the integration of Lithuania into the European Union in food and veterinary fields.

Lithuanian State Inspection on Veterinary Preparations (LSIVP) operates under control of State Food and Veterinary Service. LSIVP is in charge of authorisation of veterinary preparations in Lithuania, control of import, export, storage, manufacture, shipment, consumption, publicity, and collection of pharmacovigilance information and other issues of veterinary pharmaceutical activity. LSIVP is in charge of preparing national residue control plans together with National Veterinary Laboratory according to the Order of State Food and Veterinary Service of the Republic of Lithuania No. 4-348 of 21.12.1999.

National Veterinary Laboratory (NVL) is responsible for official testing of food and acts as National Reference Laboratory of Lithuania in food safety analysis. The Laboratory together with State Inspection on Veterinary Preparations prepares the national residues control plans on residues in foodstuffs and is responsible for the implementation of them. NVL also conducts food testing according to the requirements of EU and national legal acts. Main tasks of National Veterinary Laboratory as a National Reference Laboratory are to determine:

- ✓ veterinary drugs, hormones, pesticide residues and heavy metals in food of animal origin;
- ✓ mycotoxins, pesticide residues, heavy metals in food of plant origin and feeds;
- ✓ food and feeds composition according to parameters declared in label;
- ✓ laboratory control of drinking and mineral drinking water;
- ✓ laboratory control of usage of food additives, alcoholic drinks;
- ✓ radiological contamination of food imported or of local origin;
- ✓ Performing of monitoring programs for food, drinking water etc.;
- ✓ Microbiological testing of food.

For the strengthening of the testing of residues in food NVL needs modern equipment for implementation special food testing methods, especially for the effective achievement of one

of the most important goals - testing for veterinary drugs and pesticide residues, PCBs, dioxins and other contaminants in food, testing of food and drinking water for metals.

The number of EU legal acts, listed below, have been transposed into Lithuanian legislation. Their qualitative implementation and performing official control of certain substances, indicating the requirements for the test methods or necessity to implement certain test methods must be supported by the provision of the relevant EU expertise and necessary equipment:

- Commission Decision 2002/657/EC implementing Council Directive 96/23/EC concerning the performance of analytical methods and the interpretations of results.
- Council Directive 96/23/EC on measures to monitor certain substances and residues thereof in live animals and animal products.
- Commission Regulation (EC) No 466/2001(2), as last amended by Regulation (EC) No 563/2002(3), and amended by Council Regulation (EC) No 2375/2001(4) establishes maximum limits for dioxins and furans in certain foodstuffs.
- Commission Directive 2002/69/EC laying down the sampling methods and the methods of analysis for the official control of dioxins and the determination of dioxin-like PCBs in foodstuffs.
- Council Directive 1999/29/EC on the undesirable substances and products in animal nutrition (2), as amended by Directive 2001/102/EC and directive 2003/57/EC establishes maximum levels for dioxins in several feed materials and compound feedingstuffs.

In the Commission Directive 2002/69/EC Article 1 and 2 are described the methods of sampling and the methods of analysis for the official control of the levels of dioxins, furans and PCBs. In the annexes of this directive described the criteria for the screening and confirmatory methods. HRGC/HRMS should be used for the implementation of the methods prescribed in the Directive.

The Commission Decision 2002/657/EC set the rules for the analytical methods to be used in the testing of official samples taken according the directive 96/23/EC. In the annex of this directive are indicated techniques and performance criteria for the analytical methods as: mass spectrometry, chemical elements and etc.

In order to comply with performance criteria for mass detection high resolution mass spectrometry (HRMS) is necessary to obtain.

The one of the suitable confirmatory methods for chemical elements is inductively coupled mass spectrometry (ICP/MS) (Annex, Art.2.4.8), which is not available at the NVL. Inductively coupled plasma mass spectrometer (ICP/MS) is used for determination of heavy metals, microelements in food, drinking water, and is used to determine food origin on the base of microelements composition. ICP/MS is indispensable for investigation of food safety and composition.

### **3.2. Linked activities:**

This project does not overlap with the previous projects already implemented or being implemented in the area of food control. The relevant information on these projects is presented below:

- With support of PHARE project No. 97 - 0138 "Development of the National Food Control Program and Food Control Laboratories" the Food Control Laboratory as part of the National Veterinary Laboratory has been established and equipped. The staff has been trained in Lithuania and in Germany and the laboratory has been accredited.

- The Klaipeda County laboratory (food control part) has been equipped from PHARE project No. LI 004.02.01 "Strengthening and Enforcing of EU Food Control System. Phase III Completion of modernization of Veterinary and Phytosanitary Border Inspection Posts" this laboratory has been supplied with analytical equipment (AAS with flame burner, AAS with graphite furnace, laboratory microwave sample digestion system, HPLC, GC with ECD, GC), equipment for microbiology laboratory, equipment for general chemistry, equipment for sample preparation for pesticide analysis.
- With support of PHARE 2000 project No. LT010601 "Strengthening of institutional capacity to implement EU requirements on chemicals and genetically modified organisms management, IPPC and climate change" the National Veterinary Laboratory is going to be properly equipped for GMO testing.
- With the support of PHARE 2003, project number 2003.004-341.02.03 "Strengthening of food safety control, food control laboratories in Lithuania", NVL will be equipped to cover part of residue testing in food (LC-MS/MS). As well the regional laboratories will be equipped with new modern instrumentation.

### **3.3. Results**

- The preparation and implementation of residue monitoring programme in live animals, products of animal and non-animal origin strengthened;
- Staff responsible for the preparation of National residue monitoring plan and responsible for the carrying out of the testing adequately trained and re-trained;
- Qualifications and personal skills of food inspectors at the central and regional levels regarding the control of residues and sampling improved;
- National Veterinary Laboratory strengthened for the testing of veterinary drugs, pesticide residues. The new testing and confirmatory methods for PCBs, dioxins, veterinary drugs and pesticides residues, metals in food and drinking water implemented.

### **3.4. Activities:**

The project will be implemented through one Twinning Component and one Supply Component.

#### **3.4.1. Twinning and Training package**

##### **Scope of Twinning**

- Assistance in the development of detailed annual residue monitoring programme in live animals, products of animal origin and products of non-animal origin, working instructions on how and what to control and how to analyse the results of controls at the various levels of supervision;
- Training and retraining of staff involved in preparation of residue monitoring programmes and food safety inspectors, responsible for practical implementation of the programmes;
- Evaluation of the current system of control of residues and assistance in developing new programs;

- Analysis of the existing working documents and drawing up of detailed working instructions;
- Training of personnel of NVL in the application of the new equipment in EU laboratories having experience in usage of HRGC-HRMS, LC-MS/MS, ICP-MS systems and other;
- Study visits of the staff of SFVS and laboratory staff to the EU Member States.

### **Required Inputs:**

One PAA (12 p/m) providing general management, consultations and assistance to the State Food and Veterinary Service in the development and implementation of food safety related activities.

### ***General Profile of the Pre-Accession Adviser (PAA)***

- A civil servant from the EU Member State governmental institution, experienced in food control and food safety;
- Familiarity with the Food Safety legislation in the EU Member States;
- Good knowledge of its implementation practices;
- Familiarity with the structures and procedures of the relevant ministry of a EU Member State Ministry and associated bodies;
- Experience in training would be welcome;
- Good communication and management skills;
- Fluency in written and spoken English.

### ***Short-term experts***

Short-term experts (10 p/m total):

- Training in sampling, consultation on preparation of monitoring of residues programs in food of animal origin. Control of the residues at import of food of animal origin;
- Training in sampling, consultation on preparation of monitoring of residues programs in food of non-animal origin. Control of the residues at import of food of non-animal origin;
- Training and assistance to laboratory staff in implementation of the Commission Decision 2002/657/EC;
- Training and assistance to laboratory staff in area of analytical food chemistry (application of HRGC-HRMS, LC-MS/MS, ICP-MS, HPLC, GC and other).

The experts should have:

- Knowledge and experience in the working field;
- Experience in preparing and delivering of training programmes for staff;
- Fluency in English (written and spoken);
- Computer literacy.

### **3.4.2. Supply Component**

A Supply Tender will be organized and the following equipment will be purchased (for more detailed information see Annex 5):

- High-resolution gas chromatography/high resolution mass spectrometry (HRGC/HRMS) with sample preparation system;
- Inductively coupled plasma mass spectrometer (ICP/MS).

#### 4. Institutional Framework

The Project will contribute to the enhancement of food safety control system in Lithuania. It will be co-ordinated by the State Food and Veterinary Service of the Republic of Lithuania. The direct beneficiaries involved in this project are the following:

- State Food and Veterinary Service (SFVS) as the Central Competent Authority (CCA) and CA in the field of food safety control responsible for its legislative basis and control in Lithuania;
- State Inspection on Veterinary Preparations as institution responsible for control of residues, drafting of annual residue control programmes;
- National Veterinary Laboratory and regional food control laboratories as the institutions carrying out food safety control tests.

The State Food and Veterinary Service which is directly accountable to the Government of Lithuania, follows the EU concept of 'from farm to fork', i. e. it is responsible for the legislation and control of feeding stuffs, hygiene and safety of food, etc. The National Veterinary Laboratory, the State Inspection on Veterinary Preparations, the Border and Transport State Veterinary Service, the Food and Veterinary Audit Service as well as regional services: 10 County, 34 District, and 4 City State Food and Veterinary Services are subordinate to the SFVS. The National Veterinary Laboratory with its staff of 120 persons and 3 branches with the staff of 80 are responsible for testing of food safety and quality.

#### 5. Budget

	Transitional Facility Support			National Cofinancing	TOTAL
	Investment Support	Institution Building	Total TF (=I+IB)		
Twinning		0.543	0.543		0.543
Supply Component	0.576		0.576	0.192	0.768
<b>Total</b>			1.119	0.192	1.311

#### Implementation Arrangements

##### 6.1. Implementing Agency

The Implementing Agency is the CPMA. The CPMA will be responsible for tendering and contracting:

Mr. Aloyzas Vitkauskas  
 Central Project Management Agency  
 J. Tumo Vaizganto str. 8A /2,  
 LT-2600, Vilnius, Lithuania  
 Tel.: +370 5 2514400  
 Fax: +370 5 2514401

The responsibility for Project preparation, implementation and control will be given to the beneficiary institution.

Contact persons at the State Food and Veterinary Service:

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## 6.2 Twinning

The Twinning Team will be based at the State Food and Veterinary Service. The counterparts of the PAA will be:

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The PAA will be based at the National Veterinary Laboratory.

## 6.3. Non-standard aspects

No no-standard aspects are foreseen.

## 6.4. Contracts

Two tendering operations are to be planned:

Value of the Twinning Covenant:	0.543 MEUR
Value of the Supply Tender:	0.768 MEUR, including 0.192 MEUR of national co-financing

## 7. Implementation Schedule

Component	Start of Tendering	Start of Project Activity	Project completion
Twinning Component	2Q/04	4Q/04	3Q/05
Supply Component	2Q/04	4Q/04	1Q/05

## 8. Equal Opportunity

The Constitution of the Republic of Lithuania, the Law on Equal Opportunities and other legal acts explicitly prohibit discrimination on the basis of sex, nationality, and religion. The Equal Opportunities Ombudsman has been appointed by the Seimas.

The beneficiary will also ensure equal access of men and women to the project activities and results. Both women and men will have the same opportunities to take part in the fulfillment of all the tasks provided for in this project.

### **9. Sustainability**

State Food and Veterinary Service has adequate staff and financial resources to maintain the administrative function of the project. Coverage of costs for maintenance and up-date where necessary is foreseen in the budget of State Food and Veterinary Service.

The approved Food Control Program will provide the basis for the initial and subsequent stages of the project. This program serves as the framework for the current activities in the sphere of analysis, research and monitoring and the extent of work. The project will have a positive effect on the strengthening of food safety in the country.

### **10. Conditionality and sequencing**

The project is conditional upon the availability of national co-financing.

Additional 10 chemists to work with the new laboratory equipment are hired.

Supply of equipment is conditional on full information on the laboratory-restructuring programme being made available.

The project will be sequenced as shown in the Detailed Implementation Chart for the Project.

## **Annexes to the Project Fiche**

1. Logframe Planning Matrix
2. Detailed Implementation Chart
3. Cumulative Contracting and Disbursement Schedule for the Project (MEUR)
4. List of Relevant Laws and Regulations
5. Investment Part Substantiation.

## Annex 1

LOGFRAME PLANNING MATRIX FOR PROJECT <b>Strengthening of official control of food safety and residues in food in the Republic of Lithuania</b>		Project name and number	
		Contracting deadline expires: 3Q/06	Disbursement deadline expires: 3Q/07
		Total Budget: 1.311 MEUR	Transition Facility Budget: 1.119 MEUR
<b>Overall Objective</b>  Strengthening of official control of food safety and residues in food	<b>Objectively Verifiable Indicators</b> Fully implemented: Commission Decision 2002/657/EC implementing Council Directive 96/23/EC concerning the performance of analytical methods and the interpretations of results.  Commission Directive 2002/69/EC laying down the sampling methods and the methods of analysis for the official control of dioxins and the determination of dioxin-like PCBs in foodstuffs.	<b>Source of Verification</b> EU Commission: Reports, OJ. Annual Reports of State Food and Veterinary Service (SFVS) and National Veterinary Laboratory (NVL)	
<b>Project Purpose</b> To strengthen the implementation of annual residues control programmes;  To ensure consumer safety by strengthening the administrative and technical capacities of State Food and Veterinary Service State Inspection for Veterinary Preparation and National Veterinary Laboratory through improved control of veterinary drugs, pesticide residues, PCBs, dioxins, heavy metals and other contaminants in food;  To strengthen the technical capacities of NVL via supplying it with modern equipment for the implementation of new testing and confirmatory methods for PCBs, dioxins, veterinary drugs residues, metals in food and drinking water.	<b>Objectively Verifiable Indicators</b> Fully operational system for control of food safety as in comparable EU member states.	<b>Source of Verification</b> EU Commission: Reports, OJ. Annual Reports of State Food and Veterinary Service (SFVS) and National Veterinary Laboratory (NVL)	<b>Assumptions</b> Full co-operation between staff in NVL, SIVP and SFVS.

<p><b>Results</b>  Programms for control of residues in products of animal and non-animal origin prepared in accordance to EU requirements;  Equipment purchased and installed. New methods implemented.  Staff adequately trained and re-trained on preparation of National monitoring plans, sampling, control, testing of veterinary drugs, pesticides residues, PCBs, dioxins, metals in food and drinking water.</p>	<p><b>Objectively Verifiable Indicators</b>  Supplies delivered in time and of the proper level of quality, as planned.  Staff (70-80) trained and re-trained.  New laboratory methods introduced and operational:  - For detection of PCB and dioxins  - For detection of veterinary drug residues  - For detection of pesticide residues  - For determination of metals in food and water</p>	<p><b>Source of Verification</b>  Project reports and independent assessments.</p>	<p><b>Assumptions</b>  Sufficient absorption capacity in the beneficiary institutions to effectively utilise project resources.  Sufficient budget funds for staffing and operational costs.</p>
<p><b>Activities</b>  To conduct evaluation of the current monitoring systems;  To conduct training in sampling, consultation on preparation, implementaion of monitoring of residues programs  To conduct training of laboratory staff in application of testing techniques  To organize study visits:  - to similar control authorities of EU member states;  - to the reference laboratories of EU member states.</p>	<p><b>Means</b>  Twinning package for assistance on preparation of National residue monitoring plan and for testing of veterinary drugs, pesticide residues, PCBs, dioxins, metals in drinking water. One PAA (12p/m) and STEs (10 p/m).  A Supply Tender will be organised:  - High-resolution gas chromatography/high resolution mass spectrometry (HRGC/HRMS)  - ICP-MS - Laboratory equipment for determination of heavy metals, microelements in food, drinking water, and is used to determine food origin on the base of microelements composition and for investigation of food composition and preparing recommendation for best nutritional habits (Inductively coupled plasma mass spectrometer (ICP/MS))</p>	<p><b>Assumptions</b>  Sufficient absorption capacity in the beneficiary institutions to effectively utilise project resources.  Sufficient budget funds for staffing and operational costs.  Smooth process of procedures concerning the tendering, contracting and implementation.</p>	<p><b>Preconditions</b>  National co-financing available.</p>

**Annex 2**  
**Detailed Implementation Chart for the Project**

**Strengthening of official control of food safety and residues in food in the Republic of Lithuania**

Year	2004												2005												2006								
Month	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9
<b>Twinning</b>																																	
<b>Supply Contract</b>																																	



## Annex 3

**Cumulative Contracting and Disbursement Schedule (Transition Facility Contribution only – 1.119 MEUR )**  
**Strengthening of official control of food safety and residues in food in the Republic of Lithuania**

	2004		2005				2006			
	30/09	31/12	31/03	30/06	30/09	31/12	31/03	30/06	30/09	31/12
<b><i>Contracting</i></b>										
• Twinning	0.543									
• Supply	0.576									
<b>Total contracting (cumulative)</b>	<b>1.119</b>									
<b><i>Disbursement</i></b>										
• Twinning	0.27	0.326	0.380	0.434	0.491	0.543				
• Supply	0.345	0.518	0.518	0.576	0.576	0.576				
<b>Total disbursement (cumulative)</b>	<b>0.615</b>	<b>0.844</b>	<b>0.898</b>	<b>1.01</b>	<b>1.067</b>	<b>1.119</b>				

## **LIST OF RELEVANT LAWS AND REGULATIONS**

### **LAWS OF THE REPUBLIC OF LITHUANIA**

Law on Food (Official Gazette 2000, No. 32-893)

The Law on Veterinary Activities with its amendments (17.12.1991, No.I-2110) (Official Gazette (OG), 1992, No.2-15; 1999, No.90-2639; 2000. No.61-1804)

Law on the Amendment of the Law on Consumer Protection (Official Gazette 2000, No. 85-2581)

The Law on Pharmaceutical Activities with its amendments (31.01.1991, No.I-1025) (OG, 1991, No.6-161; 1996, No.69-1667; 1997, No.58-1332; 2000. No.61-1813)

The Law on Pharmaceuticals with its amendments (19.11.1996, No.I-1633) (OG, 1996, No.116-2701; 2000. No.44-1246; 2000. No.61-1809)

Law on Ratification of Agreement on Use of Special Means of Transport Intended for Transportation of Foodstuffs Susceptible to Fast Spoilage (Official Gazette 2000, No. -2046)

Law on Amendment of the Law on Product Safety (Official Gazette 2001, No. 64-2324)

### **ORDERS OF THE DIRECTOR OF STATE FOOD AND VETERINARY SERVICE OF THE REPUBLIC OF LITHUANIA**

Order No 397 of September 21 2001 “On the control of foodstuffs within food handling institutions” (Official Gazette 2001 No.82-2886)

Order No. 289 of January 23 2000 “On the delivery of fresh fruit, vegetables, berries and vegetables produced within the framework of the domestic market“ (Official Gazette 2000, No. 102-3247, 2002 No.30-1104)

Order No. 304 of July 16 2001 „On the approval of the rules for the control of activities of border control posts involved in control of imported foodstuffs of non-animal origin, foodstuffs for special purposes and food additives“ (Official Gazette 2001, No. .63-2319)

Order No. 432 of October 11 2001 “On the requirements of safety of fresh fruit, vegetables and walnuts imported in the Republic of Lithuania” (Official Gazette 2001, No. 88-3112)

Order No. 560 of December 21 2001 „On the rules of fresh fruit and vegetables sampling intended for determination of pesticide residue“ (Official Gazette 2002, No.1-23)

Order No 29/53 of January 25 2002 “On the approval of the rules for control of imported, exported and applied for the domestic market of fresh fruits and vegetables” (Official Gazette 2002 No. 15-637)

The Order of State Veterinary Service on prohibition of certain veterinary drugs, premixes and feedstuffs (31.05.1999, No 4-139)(OG, 1999, No.51-1663)

The Order of State Food and Veterinary Service on maximum residue limits of veterinary medicinal products in foodstuffs of animal origin (according to the Council Regulation (EEC) No 2377/90) (29.12.2000, No.395) (OG, 2001, No.13-416)

The Order of State Food and Veterinary Service on Rules on manufacture, registration and marketing of veterinary medicinal products in the Republic of Lithuania (according to the Council Directive (EEC) No 2001/82) (29.12.2001, No.584) (OG, 2002, No.41-1554)

The Order of State Food and Veterinary Service on Rules on marketing of bovine somatotropin (according to the Council Decision (EEC) No 1999/878) (29.03.2002, No.145) (OG, 2002, No.37-1353)

The Order of State Food and Veterinary Service on Guideline on monitoring of residues in live animals and animal products (according to the Council Decision (EEC) No 98/179) (13.11.2002, No.510) (OG, 2002, No.111-4952)

The Order of State Food and Veterinary Service on Rules on control of certain substances and residues in live animals and animal products (according to the Council Directive 96/23/EC) (22.07.2003, No.B1-646) (OG, 2003, No.76-3514)

The Order of State Food and Veterinary Service on Prohibition on the use in stockfarming of certain substances having a hormonal or thyrostatic action and of beta-agonists (according to the Council Directive 96/22/EC) (25.07.2003, No.B1-656)(OG, 2003, No.76-3517)

## **HYGIENE NORMS OF THE REPUBLIC OF LITHUANIA**

Hygiene Standard No. **15:2001** “Food Hygiene” (Official Gazette 2002, No. 9-324 December 29 2001, No. 684)

Hygiene Standard No. **107-2001** “Foodstuffs for Special Purposes” (Official Gazette 2002, No.5-199, December 22 2001, No.666)

Hygiene Standard No. **53-1998** “Approved food additives” (Official Gazette 1999, No. 3-76, December 31 1998, No. 794)

Hygiene Standard No. **53-1:2001** “Approved Food additives. Flavorings and to source materials for their production” (Official Gazette 2002, No.24-891)

Hygiene Standard No. **24-1998** “Drinking water: quality requirements and programmable monitoring” (Official Gazette 1998, No. 105-2926, 1999, No. 69-2198 November 2 1998, No.684, August 6 1998, No. 369)

Hygiene Standart No. **28-2001** “Natural mineral water, source water and mineralized water intended for human consumption. Quality requirements and programmable monitoring” (Official Gazette 2002, No. 5-198 December 21 2001, No.664)

Hygiene Standard No. **54-1998** “Raw materials and foodstuffs. Maximum permitted levels of chemical contaminants and radionuclids” (Official Gazette 1998, No. 61-1771, 1998 June 30 1998, No. 381)

Hygiene Standard No. **54:2001** “Foodstuffs: maximum levels of contaminants and pesticide residues (Official Gazette 2002, No. 34(1), 2001 December 29)

Hygiene Standard No. **16:1998** “Materials and articles intended to come into contact with products (Official Gazette 2002, No. 28, 2001 December 29)

Hygiene Standard No. **26:1998** “Raw materials and foodstuffs. Maximum permitted levels of microbiological contamination (Official Gazette 1998, No. 99, 1998 November 10)

**Annex 5****Detailed List of Equipment****Indicative list of equipment to be financed under Investment Component of the Project**

	<b>Indicative Budget</b>	<b>Indicative national Co-financing</b>	<b>Total Budget (EUR)</b>
High-resolution gas chromatography/high resolution mass spectrometry (HRGC/HRMS) with sample preparation system	354000	118000	472 000
Inductively coupled plasma mass spectrometer (ICP/MS)	222000	74000	296 000
<b>Total</b>	<b>576000</b>	<b>192000</b>	<b>768 000</b>