

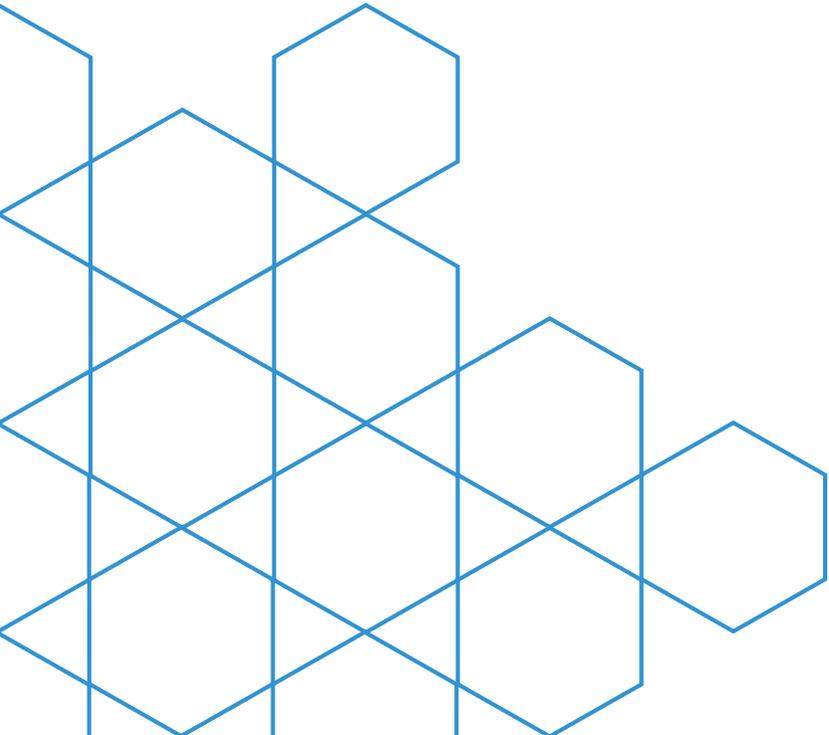


IQube
INSPECTION

International
Survey
Company



Contents:

- 3 About us
 - 4 Inspection of grains
 - 5 Inspection of fruits
 - 6 Services in China
 - 7 Technical inspections
 - 8 Geography
 - 9 Why select Iqube
 - 10 They put their trust in us
 - 11 Certificates
 - 12 Lab equipment
 - 19 Contacts
- 

About us



Leader
of the Russian fruit
expertise industry

We inspect



21 503
containers per annum

Representative
offices



in various
countries

We inspect



1 235 618
tons of produce per
annum

Report within



24
hours



35
offices across
Russia

We work



365/7/24
days



151
Clients



180
Employees



10
More than years
in the market



We have our own
grain laboratories in
Novorossiysk and
Rostov-on-Don



GAFTA



FOSFA



ISO 9001:2008

◊ Inspection of grain, oilseeds and vegetable oils

- Pre-dispatch inspection on elevators, in warehouses and other storage facilities
- Inspection of quantity and quality of products at loading/off-loading
- Laboratory testing of grain, oilseeds and vegetable oils at our own labs situated in Novorossiysk and Rostov-on-Don. Our labs are ISO, GAFTA, FOSFA and GOST accredited
- Inspection services during harvesting
- Inspection services, while placing grain on elevators or warehouses
- Produce inspection during its storage: warehousing operations



Survey inspections of vegetables and fruits

- A wide network of qualified experts in Russia and overseas
- High levels of professionalism and years of experience accumulated by our experts
- High speed of data processing
- A fine-tuned technology of data transfer by and between the offices and the inspectors
- Monitoring the quality of dispatched goods. We protect our Client's interests, while accepting the produce and during the process
- Handling claims
- We have a tested staff training program
- Flexible pricing



Services in China

Why do you need a surveyor in China

- To reduce the customs clearance expenses when importing to Russia
- Reducing risks, when working with Chinese suppliers
- Making sure that the associated documentation corresponds to the real produce
- Quality warranty for the purchased goods
- Quantitative control

We offer a whole range of services regarding your interaction with your Chinese supplier:

- Search of relevant suppliers
- Contract processing
- Goods inspection during production
- Checking product quality before dispatch
- Control of product quality and quantity during loading
- Checking of markings (labels) and documentation
- Our staff includes Russian inspectors



Technical inspections

- Vessel survey (Full condition, on/off-hire, pre-purchase) Draft, Haulage, Bunker survey
- Declaration of hazardous cargos
- Inspection of collateral
- Compilation of cargo plans and estimates of cargo handling plans
- Estimation
- Monitoring the loading and fastening of equipment
- Supplementary (protective) container seals
- Investigation of accidents/ insurance events



Geography

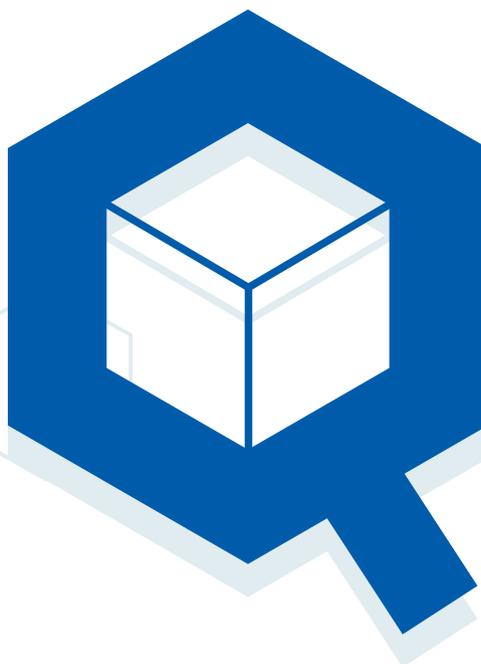


Why select Iqube

Survey reports provided within 24 hours from the time of completion of inspection

Personal manager (representative) for each customer

ISO-9001:2008, GAFTA, and FOSFA certified and member of the CCI (Chamber of Commerce and Industry)



Qualified experts. Company owned labs

Online information available for Clients

A network of representative offices in Russia and overseas offices in various countries

○ They put their trust in us:



Grain, oilseed and vegetable oil quality determination laboratory

When moving grain for loading onto the elevator, storage and loading onto the ship, you require to monitor its quality.

At our laboratory we use the Kjeldahl method to determine this indicator in accordance with ISO and GOST.

Our laboratory has the necessary equipment to determine the basic indicators of grain quality as per Russian and International standards.

To automate the system, as well as to reduce the process time, apart from the classical Kjeldahl unit we use latest VELP automation equipment, which includes the burning unit DK-6 and automatic distiller UDK159.

One of the main indicators of wheat's quality is the ratio of proteins by volume.

▼ Automatic VELP Distiller UDK159



▼ Sample burning unit DK-6



THE USE OF THE GIVEN EQUIPMENT ENABLES OUR LABORATORIES TO CONDUCT FAST AND ACCURATE TESTS OF WHEAT GRAIN, WHEAT FLOUR AND OTHER FLOUR PRODUCTS

Another very significant wheat indicator is the quantity and quality of gluten. We determine this parameter using various methods: we use the most commonly used method of washing away gluten and testing its quality using the IDK unit.

We also use the internationally common method in which we use the Glutomatic 2200 unit made by "Perten Instruments AB" of Sweden.

- ▼ Glutomatic 2200 made by "Perten Instruments AB", Sweden



In case of high levels of moisture in the grain, especially in case of harvesting in unfavourable conditions (rains, high levels of humidity etc.) the wheat starts to sprout during seasoning. This badly affects the wheat's flouring qualities and degrade baking qualities.

▼ Analyzer Falling Number 1700 by "Perten Instruments AB" of Sweden.



The latest analyser Falling Number 1700 by "Perten Instruments AB" of Sweden, which we have in our laboratory, helps determine grain sprouting and consequent damage at a very high level of accuracy.

The grain can undergo "wetting" during transportation and storage. Late identification of moist grain can lead to catastrophic consequences, including the destruction of the whole consignment of grain due to self-warming.

Although the identification of level of moisture is not one of the most difficult procedures, still our laboratory is equipped with the latest equipment for the identification of this parameter Drying cabinet by Binder of Germany.

▼ Drying cabinet by BINDER of Germany

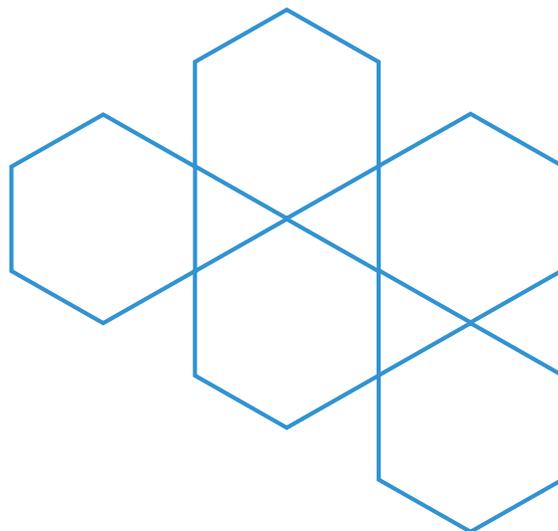


EXPRESS-ANALYZER HELPS DETERMINE THE PROTEIN CONTENT, GRAIN MOISTURE LEVEL, AS WELL AS OIL CONTENT IN OILSEEDS IN LESS THAN 5 MINUTES

All of the abovementioned methods are classical, acceptable for courts and very accurate, but they are all lengthy and require at least a few hours of waiting.

At our laboratory we have the express-analyser Inframatic 9500 by "Perten Instruments AB" of Sweden, to provide you with very quick results of grain test.

- ▼ Express-analyser Inframatic 9500 by "Perten Instruments AB" of Sweden



At our laboratory we have the equipment necessary for the determination of quality of feeds (fodder). Except for the abovementioned contents of protein and moisture, there often is a need to determine the level of oil content and cellulose content. The oil content is one of the main parameters for the determination of quality of oilseeds and fodders.

Except for the classical determination of oil content

using the Soxhlet method, which takes around 10 hours to complete, at our laboratory we also use the Soxhlet-Randall method, which consumes significantly less amount of time for the test.

To apply the Soxhlet-Randall method for the determination of oil content, we use the latest automatic fat extractor SER 148/3 by VELP.

The cellulose content in fodder is checked at our laboratory in accordance with the methods approved by ISO 6865, GOST R 52839-2007 using cellulose analyser FIWE 6 by VELP.

This analyser helps conduct a quick test, obtain highly accurate and dependable test results.

▼ Automatic fat extractor SER 148/3 by VELP



▼ Cellulose analyser FIWE 6 by VELP



IN OUR LABORATORY WE DETERMINE THE MAIN CHARACTERISTICS OF VEGETABLE OILS AS REGULATED BY FOSFA:

▼ Titrator 848 Titrino Plus by
Metrohm of Switzerland



- Determination of Lovibond Colour
- Flashpoint limit test using Pensky-Martens closed cup flash tester
- Free fatty acid content
- Insoluble impurities content
- Iodine value (Wijs)
- Conventional mass per volume (litre weight in air)
- Melting point in open capillary tubes (slip point)
- Moisture and volatile matter content
- Peroxide value Iodometric (visual) endpoint determination

For tests, which require titration, we use Titrator 848 Titrino Plus by Metrohm of Switzerland at our laboratory, apart from using the glass burettes.

This is a very dependable latest titrator, providing results with high levels of accuracy.

We use visual colorimeter Tintometer Lovibond Model F made in Great Britain to

determine the colour of vegetable oils as per the Lovibond scale.

- ▼ Tintometer Lovibond Model F, Great Britain



To determine the flashpoint limit our laboratory uses the APM-8 device by Tanaka

Scientific of Japan.

- ▼ APM-8 by Tanaka Scientific, of Japan.



At our laboratory we conduct a number of tests, apart from the tests recommended by FOSFA, to check the minimum standard of various indicators of quality of vegetable oils.

One of such indicators is the sediment content. At our laboratory we use the Rotofix 32A centrifuge made by Andreas Hettich GmbH & Co KG of Germany, to determine the value of this indicator.

- ▼ The Rotofix 32A centrifuge by Andreas Hettich GmbH & Co KG of Germany.



Another one of the important indicators is the anisidine index and the content of phosphoric

substances. These indicators are determined using the Spectrophotometer Unico 1201, from USA.

- ▼ Spectrophotometer Unico 1201, USA.





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