



AGRI & FOOD PORTFOLIO

**BUREAU VERITAS
CORPORATE**

Move Forward with Confidence



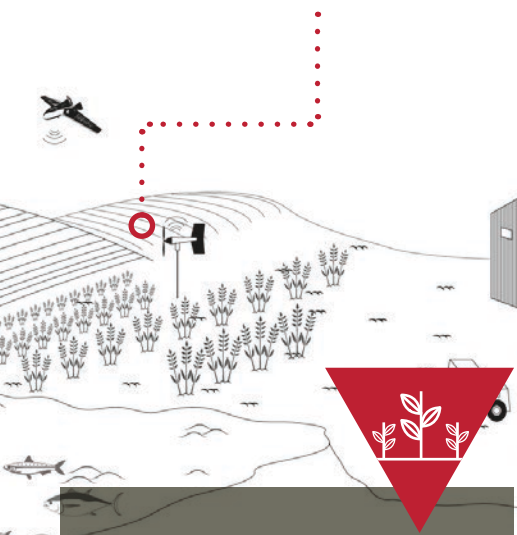
**BUREAU
VERITAS**

ENSURE THE SAFETY AND QUALITY OF FOOD AND AGRICULTURE PRODUCTS THROUGH THE ENTIRE VALUE CHAIN

PROTECT YOUR BRAND

PRECISION AGRICULTURE

ENSURE THE QUALITY OF YOUR PRODUCTION AND MAXIMIZE YOUR YIELDS



PRODUCTION

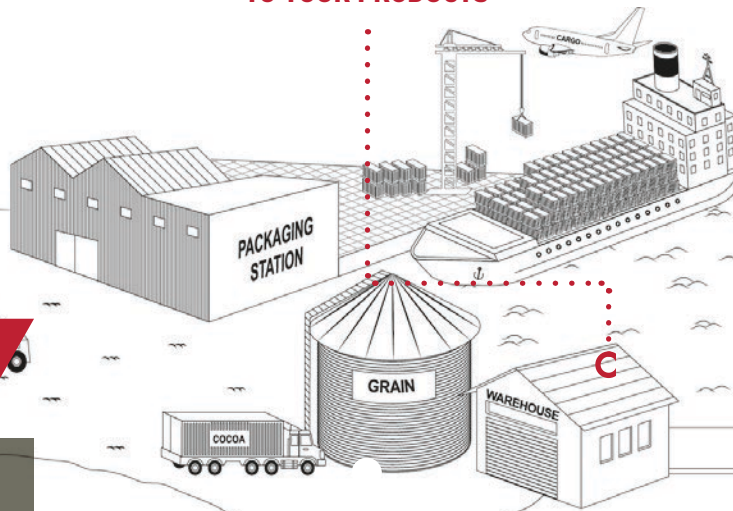
- Product Inspection (Quantity, Origin & Traceability Assurance)
- Laboratory Testing (GMO & Authenticity, Chemical & Residual, Microbiology)
- Certification (GlogalG.A.P., UTZ, RSPO, MSC Fishery, ASC Farm, BAP, Organic, FAMI-QS, GMP+)

PRECISION FARMING

- Crop monitoring by drone or using satellite technology
- Soil & Input Analysis (Water, Fertilizer, Phytosanitary Product, Phytiatry...)
- Connected Sensors (Climate, Irrigation, Agri-solution)

TRADE

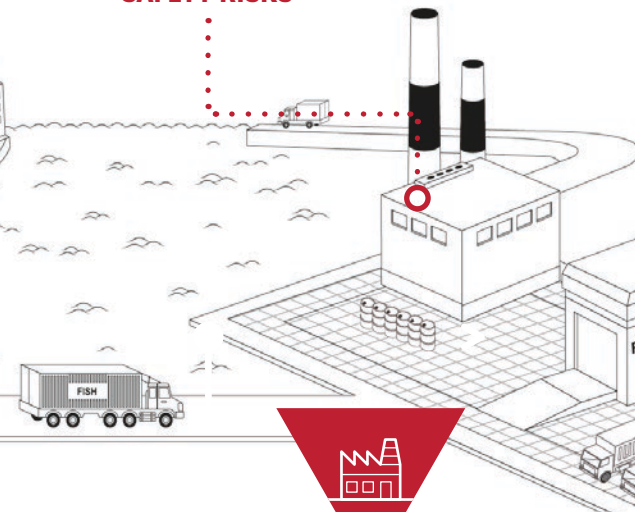
CONTROL THE RISKS EXPOSED TO YOUR PRODUCTS



- Quality and Quantity Control
 - Import & Export Inspection
 - Commodity & Finished Product Inspection
 - Loading & Unloading Inspection
 - Stock Inventory
 - Verification of Conformity
- Fumigation

PROCESSING & MANUFACTURING

ENSURE SUPPLY CHAIN COMPLIANCE AND MITIGATE SAFETY RISKS



- Laboratory Testing (Authenticity, Physico-Chemical & Residual, Microbiology & Pathogens, Nutritional Labelling & Product Integrity, DNA)
- Food Manufacturing Certifications: GFSI, environmental, social, quality, safety
- Customized Audits (social, GMP...)

RETAIL & HOSPITALITY

ENSURE FOOD SAFETY AND COMPLIANCE TO BRAND STANDARDS



- Safeops - Food Safety and Brand Standards Digital Management Solution
- Product & Swabs Testings (Microbiology & Pathogens, Authenticity, Nutritional)
- Store, Hotel & Restaurant Certification (ISO 22000, HACCP)
- Store, Hotel & Restaurant Premises Inspections
- Food Safety & Brand Standard Compliance
- Mystery Shopping

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CROP MONITORING TECHNOLOGY

Cost effective inspection solution to improve safety, speed and accuracy of your crop monitoring.



BY DRONE

powered by **delta drone**
DELTA DRONE EXPERTISE



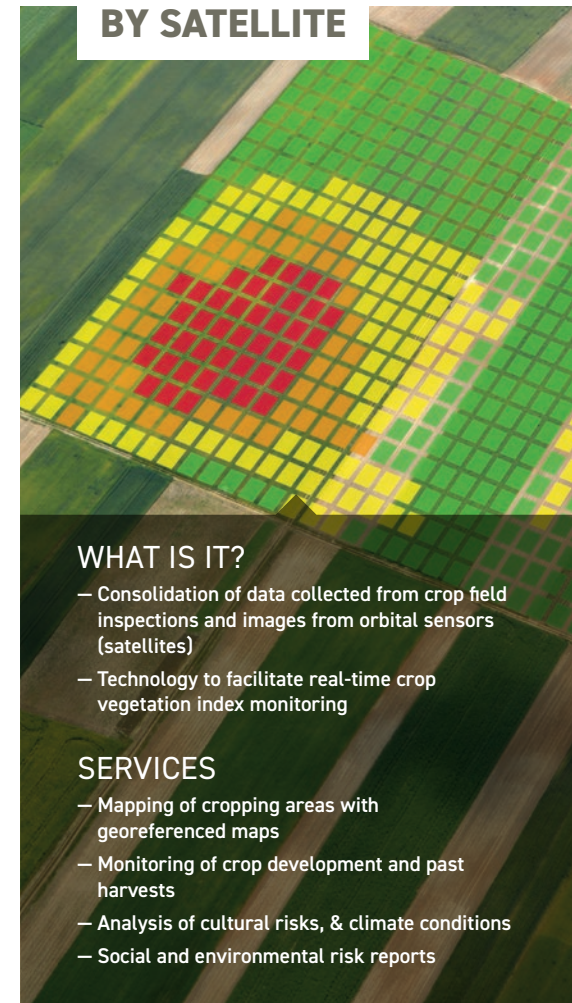
WHAT IS IT?

- From visual photographic surveys to complex inspections such as precision agricultural solutions
- Data are captured by drones and processed remotely to build the digital twin of your crops/farms

SERVICES

- Counting trees
- Vigour and homogeneity of plant development
- Identification of stressed vegetation zones
- Analysis of health status, soil & topography
- Control of fertilization and irrigation

BY SATELLITE



WHAT IS IT?

- Consolidation of data collected from crop field inspections and images from orbital sensors (satellites)
- Technology to facilitate real-time crop vegetation index monitoring

SERVICES

- Mapping of cropping areas with georeferenced maps
- Monitoring of crop development and past harvests
- Analysis of cultural risks, & climate conditions
- Social and environmental risk reports

ADDED VALUE

COST-EFFICIENCY, OPTIMIZATION OF YOUR CROP YIELDS, ACCURACY 3D MAPPING OF YOUR FARMS, PRECISE CROP ANALYSIS AND UNDERSTANDING OF CULTIVATION TRENDS ANTICIPATION OF ADVERSE EVENTS

ORIGIN

INCREASE THE VALUE OF YOUR PRODUCTS

The first consumer facing traceability claim that provides consumers with proof of the product's origin and quality

PRODUCT TRACEABILITY

Origin gives access to the complete history of a product: where it comes from, how it was made and processed and how its quality was preserved.

- Give proof of the product's origin and quality
- Increase trust by making visible all checks and audits done throughout the product lifecycle

MORE CONTROL OF THE VALUE CHAIN

With Origin, brands and retailers have better visibility on their value chain and are able to manage product recall in real time.

BASED ON BLOCKCHAIN TECHNOLOGY

Origin is based on an easy blockchain system, which is open, transparent, secured, and operates without central controlling device. With blockchain technology, the full life cycle of product can be digitally replicated and shared among different players.



origin

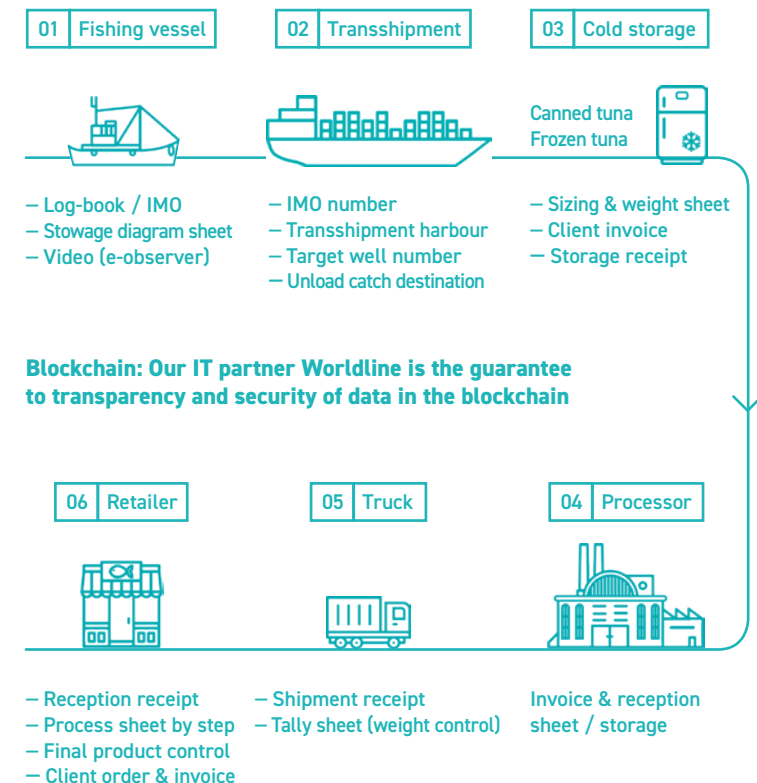
SCAN ME TO KNOW MY STORY



SCAN THE QR CODE
OR VISIT
WWW.ORIGIN.BUREAUVERITAS.COM

GUARANTEE DATA TRANSPARENCY AND SECURITY THANKS TO BLOCKCHAIN TECHNOLOGY

Example: tuna supply chain





SCAN THE QR CODE
OR VISIT
WWW.SAFESUPPLY.BUREAUVERITAS.COM

WHAT IS SAFESUPPLY?

Safesupply is Bureau Veritas supply chain risk management solution that will help you improve the quality throughout the supply chain.

KEY BENEFITS

BUYERS



Get detailed knowledge of all suppliers through personalized dynamic dashboards



Protect your brand by identifying major risks within the supplier network



Optimize your audit program budget by focusing on the riskiest suppliers

SUPPLIERS



Increase visibility towards your clients via an open, collaborative platform



Benchmark your performance and engage in continuous improvement programs



Make the best use of your time when sharing information and answering client requests

WHY CHOOSE SAFESUPPLY?

Key advantages of the solution



GOOD VALUE FOR MONEY

Suppliers pay an annual fee. Manufacturer / Retailer only has to pay initial development for customizations



POWERFUL RISK ENGINE

Complex algorithm based on Bureau Veritas data, public reports, and supplier information



EASY TO USE

Great digital platform associated with 24/7 support from Bureau Veritas team



END TO END SOLUTION

Full supplier onboarding program, from risk assessment to continuous improvement programs and corrective actions

HOW IT WORKS?

AN EFFICIENT SOLUTION FOR BUYERS TO SUPPORT THEIR RISK MITIGATION PROGRAMS

01 SUPPLIERS REGISTRATION

SUPPLIERS REGISTER IN THE PLATFORM

02 SUPPLIERS RISK CALCULATION

A CUSTOMIZED RISK INDEX IS CALCULATED FOR EACH SUPPLIER

03 SUPPLIERS RISK MAPPING

DASHBOARDS ARE SET FOR EACH SUPPLIER TO MAP THEM BASED ON THEIR RISK ASSESSMENT

04 ENGAGEMENT IN CONTINUOUS IMPROVEMENT PROGRAMS

SUPPLIERS AUDIT PROGRAMS ARE CUSTOMIZED BASED ON THE RISK ASSESSMENT

**CUSTOMIZED ACTION PLANS BY SUPPLIER
BASED ON THE ASSOCIATED RISK**



A SMART AUDITING AND COACHING SOLUTION FOR SAFER OPERATIONS

An innovative solution to record daily checks and traceability data in line with HACCP, international requirements and local regulations.

GET TRANSPARENCY BASED ON CONSISTENT & REAL-TIME DATA

A FIELD TOOL

Field ops capturing data and removing paper

- Perform daily checks (storage and delivery temperature, shellfish labeling...)
- Provide an easy access to SOPs
- Team Training

MANAGER CENTER

- Client dashboards to manage your network with consolidated data: real-time risk mapping and alert triggers
- Save, secure & synchronize data

CONTINUOUS IMPROVEMENT

Optimization of audit/training and lab services



SCAN THE QR CODE OR VISIT WWW.SAFEOPS.BUREAUVERITAS.COM

RETAIL & HOSPITALITY



WORLDWIDE INTEGRATED LABORATORY NETWORK

PROVIDING SERVICES ALL AROUND THE GLOBE

With a focus on putting the customer first for the safety and quality verification of food products. Bureau Veritas' ecosystem of laboratories combined with their logistical network allows its customers to save time, money and by extension exceed their customers' expectations.



NORTH AMERICA

Buffalo / Chicago / Kansas City
Memphis / Port Allen / Channelview
Webster / Mississauga (Toronto)
Montreal / Calgary / Edmonton
Vancouver / Saskatoon

LATIN AMERICA

Guayaquil / Lima / Cienega / Roda
Velha Sapezal / Sorriso / Rondonópolis
Paranáguá / São Luís / Rio Grande
Santos / São Francisco do Sul
Bacarena / Iquique / Santiago
Concepcion

AFRICA

Abidjan / Agadir / Cape Town
Casablanca / Douala / Johannesburg
Mombassa / San Pedro / Tunis

EUROPE

Constanta / Galati / Kiev / Nikolayev
Novorossiysk / Odessa / Prague
Rostov / Rotterdam / Sevilla / Sillamae
/ Tallinn

ASIA & PACIFIC

Dubai / Hyderabad / Chennai / Mumbai
/ Kolkata / Gandhidham / Haldia /
Indore / Visakhapatnam / Colombo /
Izumo / Yokohama / Seoul / Qingdao
/ Shanghai / Shenzhen / Hong Kong
/ Medan / Jakarta / Bangkok / Can
Tho / Ho Chi Minh / Kuala Lumpur /
Pengerang / Brisbane / Melbourne /
Perth / Sydney

FOOD LABORATORY TESTING

Test your products in our laboratories to guarantee safety and ensure compliance with regulations and industry standards

ANALYTICAL SERVICES PROVIDED:

- Microbiology
- Contaminant Analysis
- Physico - Chemistry
- GMO
- DNA & Authenticity
- Sampling

RETAIL & HOSPITALITY



PROCESSING & MANUFACTURING



WHAT IS IT?

MICROBIOLOGY

Microbiological testing is performed in all types of food to detect the presence of any harmful bacteria and other micro-organisms. Bureau Veritas' testing ensures your products are pathogen-free and safe for consumption.

CONTAMINANT ANALYSIS

Contaminant and Residual Analysis is important to detect the presence of pesticide and heavy metals in food products, especially in fresh products. It is a major application for the food safety testing market and Bureau Veritas has brand new technologies to ensure you are compliant with international food safety standards.

PHYSICO - CHEMISTRY

Physical-Chemical testing allows you to identify the components present in your food products, enabling you to determine the nutritional content and the physical characteristics of a product (weight, humidity...).

GMO

GMO (Genetically Modified Organism) testing confirms the identity and the nature of the product at every step of the supply chain and ensures compliance with regulations.

DNA & AUTHENTICITY

DNA tests on foods are used to identify the species present in a particular product, to give you the possibility to detect fraud and guarantee the quality of food.

SAMPLING

To assure the quality of our analytical services, we have qualified people and appropriated equipment procedures to prepare your samples.

ADDED-VALUES

- REDUCE THE RISK OF RECALLS, RETURNS AND COMPLAINTS
- ENHANCE RISK MANAGEMENT AND BRAND PROTECTION
- ENSURE YOUR PRODUCT IS FREE OF PATHOGENS AND CONTAMINANTS
- HIGH-QUALITY SERVICES ACCORDING TO HACCP AND GLP

WHY BUREAU VERITAS?

BUREAU VERITAS PROVIDES A FULL AND COMPREHENSIVE SCOPE OF AGRI COMMODITIES & FOOD TESTING THROUGHOUT THE ENTIRE SUPPLY CHAIN

AGRICULTURAL TESTING

OPTIMIZE THE EFFICIENCY OF YOUR AGRICULTURAL PRODUCTION WITH BUREAU VERITAS LABORATORIES

SERVICES PROVIDED:

- Microbiology
- Physico-Chemistry
- Contaminants
- Plant Pathology



BEYOND ANALYTICAL SERVICES, WE INTERPRET YOUR TESTING RESULTS AND WE OFFER PERSONALIZED ADVICE TO SUPPORT YOU TO CHOOSE THE FERTILIZATION PROGRAM THAT WOULD BE BETTER TO OPTIMIZE YOUR RESULTS. ”



SOIL ANALYSIS

Allows you to test the soil's nutritional composition, providing a chemical breakdown of elements and the nourishment potential they have for plants



PLANT ANALYSIS

Choose a fertilization plan suitable to your needs to help determine the nutritional status and identify any nutritional deficiencies of plants within your crop



WATER ANALYSIS

Determine the quality of irrigation water and identify its nutrient composition to better control the fertigation



ORGANIC SUBSTRATE ANALYSIS

Be aware of chemical element composition to establish the necessary organic amendments

RESPONSIBLE SOURCING

DEMONSTRATE SUSTAINABILITY

Safeguard reputation by demonstrating responsible sourcing practices and enforcing Chain of Custody.

Your social responsibility goes beyond your own activity and the boundaries of your facilities. Bureau Veritas helps your company build confidence and increase visibility of your supply chain on social and environmental impact through a portfolio of dedicated services.



SMETA

Promote responsible sourcing through social and ethical audits



SAI PLATFORM

Support the development of sustainable agricultural practices



UTZ

Promote a sustainable production for tea, coffee and cocoa crops worldwide



RSPO

Promote the growth and use of the palm oil meeting specific sustainability criteria



ORGANIC

Prove that agricultural and food products have been produced with emphasis on the protection of soil and water, the enhancement of biodiversity and the responsible use of energy and natural resources



FOOD CERTIFICATION

ENSURE SAFETY & DEMONSTRATE THE QUALITY OF YOUR PRODUCT

- Protect your brand by controlling safety throughout your supply chain
- Demonstrate the high value of your products through product certification

SEAFOOD

Bureau Veritas assists you in every step of the seafood supply chain to ensure the highest standards are met along with Quality, Safety & Health, Environmental and Social Responsibility compliance.



ASC

Standard to transform aquaculture towards environmental sustainability and social responsibility using efficient market mechanisms



MSC

Standard for sustainable fishery (fish stock status, ecosystem, fishery management)



MSC-ASC-COC

Traceability certification for certified product on fishery or aquaculture



BAP

The Responsible Seafood Choice: improving the environmental, social and economic performance of the supply chain

AGRI & FOOD

Agri & Food certification allows you adopting the highest standards in food safety, meeting your regulatory requirements and your contractual obligations and gaining access to global markets.



ISO 22000

International standard that defines the requirements for a food safety management system covering the entire supply chain



BRC

Ensures that manufacturers fulfill their legal obligations and provide protection for the end consumer



FSSC 22000

Risk management system for food safety throughout the food supply chain



IFS

Quality and safety standards covering the entire supply chain



GLOBALG.A.P.

Internationally recognized set of farm standards dedicated to Good Agricultural Practices (GAP)



FAMI-QS

European feed standard covering both quality & feed safety management systems, traceability and product regulatory compliance



GMP+

Complete module for the assurance of feed safety in all the links of the feed chain

FOODSERVICE & STORE AUDIT

Ensure you are compliant with service and product quality standards to better respond your client's needs.



SERVICES PROVIDED BY OUR SKILLED AUDITORS AND INSPECTORS

- Restaurant and store customized Inspection & Audit
 - Food safety
 - Health & Safety
 - Brand Conformity
- In store sampling and testing

WHY IS IT IMPORTANT?

- To protect your customers and your Brand
- To guarantee safety and quality standards
- To help you to achieve a Food Safety Culture and Operational Excellence
- To reassure your customers, your employees, the authorities, and your investors



Customized checklists developed according to your needs



Digital Audit tools with client web-portal:

- Real-Time scheduling
- Real-time report management
- Dynamic dashboard



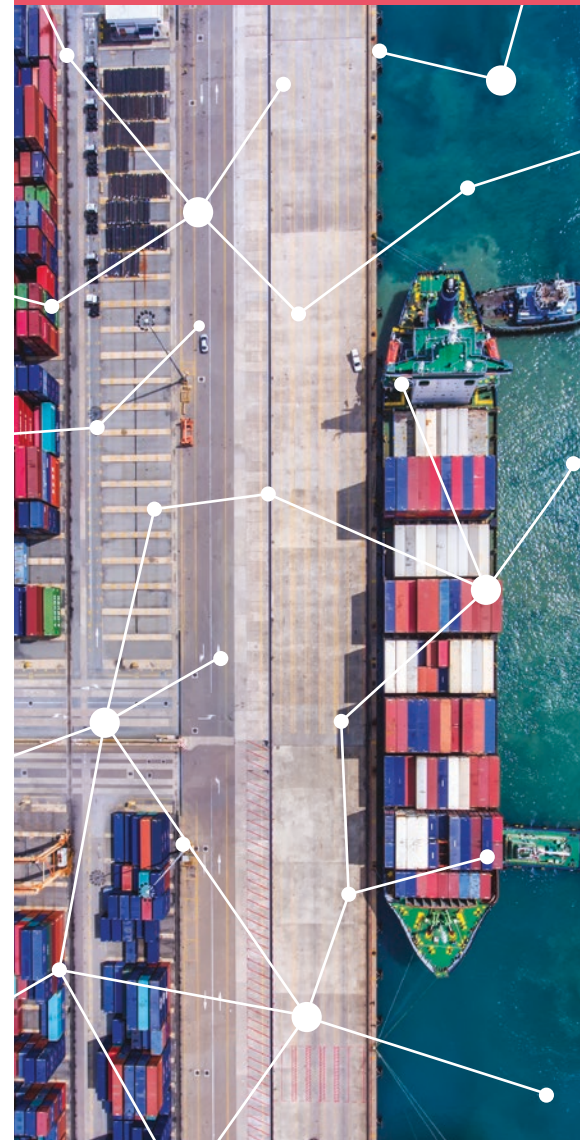
Skilled & Trained Auditors to ensure you the best services

“
ENHANCE YOUR OPERATIONS
TO GET BEST-IN-CLASS STORES.”

QUALITY & QUANTITY CONTROL

Bureau Veritas acts as a third party to ensure compliance and real time follow-up of your products during transportation (in Ports, Airports) or storage (warehouse).

TRADE



IMPORT & EXPORT INSPECTION

Conduct inspections to ensure that storage units are free from odour, moisture, foreign matter, previous cargo residues or pest infestation at every stage of the supply chain.

LOADING & UNLOADING INSPECTION

- Inspect product's visual condition, quality (by random sampling & analyses as per applicable standards), quantity (by tally of the units) and traceability
- Weight the products using shore scales or weighbridges as well as Draft Survey (measurement...)
- Analyse the products in our own specialised laboratories or grade them by our product specialists.

VERIFICATION OF CONFORMITY

Check the conformity of your agricultural products in accordance with regulations and specifications.

STOCK INVENTORY

Conduct accurate measurements of agricultural commodities in ports, warehouses and manufacturing facilities to ensure regulatory compliance and to facilitate the management of real-time inventories.

FUMIGATION

Prevent pest propagation and reduce risk of product damages.

COMMODITY & FINISHED PRODUCT INSPECTION

Conduct inspections to manage your risks.

WHY CHOOSE BUREAU VERITAS ?

A WORLD LEADER COMBINING A GLOBAL NETWORK WITH LOCAL KNOWLEDGE

Bureau Veritas is a world leader in laboratory testing, inspection and certification services. Created in 1828, the Group has more than 74,000 employees in approximately 1,400 offices and laboratories located all around the globe. Bureau Veritas helps its over 400,000 clients to improve their performance by offering services and innovative solutions.

MARK OF GLOBAL RECOGNITION

The Bureau Veritas brand is a globally recognized symbol of your organization's ongoing commitment to excellence, sustainability and reliability. Bureau Veritas is recognized by a large number of national and international accreditation bodies.

OTHER INDUSTRIES COVERED



Mining



Industry



Marine



Power & Utilities



Building & Infrastructure



Oil & Gas



**BUREAU
VERITAS**

Move Forward with Confidence

Bureau Veritas

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