

## BUREAU VERITAS

A TECHNICAL LEADER FOR ENVIRONMENTAL SUSTAINABILITY

Bureau Veritas has long partnered with different industry stakeholders to assist in eradicating the use of hazardous substances and chemicals. Our technical know-how and experiences in providing environmental sustainability solutions and discharge monitoring services demonstrate our technical leadership for the global consumer products arena, in particular for the textile, apparel and footwear industries.

### Ø ZDHC

- Member of the ZDHC Foundation
- Participant in the development of the ZDHC Wastewater & MRSL Guidelines
- Participant in the ZDHC Laboratory Advisory Group (LAG)
- ZDHC Approved Laboratories for wastewater testing ZDHC Approved MRSL Conformance Certifier for Level 1, 2, & 3
- Solution provider of ZDHC Performance InCheck report through BVE<sup>3</sup> input chemical inventory database
- Solution provider for ZDHC Verified InCheck
- Approved Training Provider (ATP) for ZDHC trainings



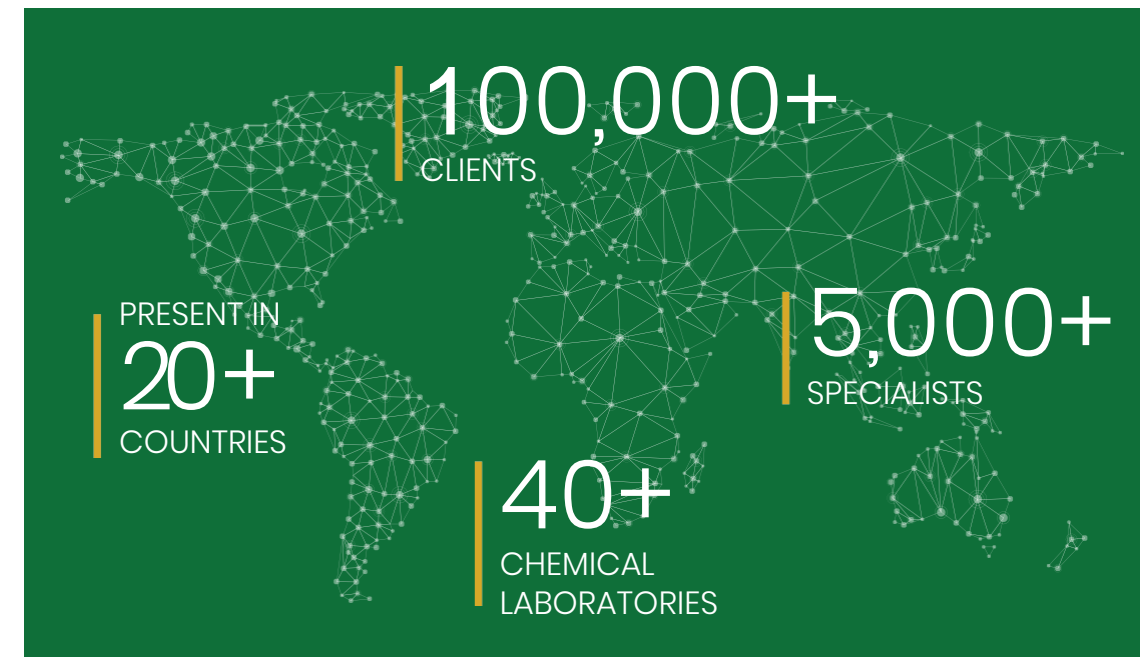
- Member of the Cascale
- Approved Cascale Higg Index FEM (Facility Environmental Module) Chemical Specialist Verifiers & Generalist Verifiers & Trainers
- Approved amfori Business Environmental Performance Initiative (BEPI) Environmental Assessment Auditors

## A GLOBAL LEADER IN TESTING, INSPECTION AND CERTIFICATION

Bureau Veritas Consumer Products Services provides testing, inspection and audits, certification and advisory services to assist businesses in validating and delivering consumer and technology products.

We help our clients across all industries to address increasing market and industry challenges and to improve their performance in quality, health and safety, environment protection and social responsibility.

With a global network, we assist businesses to produce safe, quality and sustainable products and gain faster market access while mitigating risks of recalls and returns.



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## ENVIRONMENTAL SUSTAINABILITY SERVICES



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## MEETING THE CHALLENGES

### A CHANGING AND COMPETITIVE MARKETPLACE

Increased concerns around toxic chemicals in products and the environment are driving more stringent regulations. Furthermore, environmental protection organizations are bringing pressure to restrict and reduce hazardous substances used in manufacturing processes and discharged to the environment.

- Environmental Regulations
- Zero Discharge of Hazardous Chemicals
- Higg Index FEM
- Detox Campaign
- Institute of Public & Environment Affairs (IPE)
- Environmental Protection Initiatives

International brands, retailers and manufacturers need a global sustainability partner to optimize their supply chain, support with scaling up worldwide and maintain up-to-date knowledge of environmental sustainability management in a cost effective manner.

## SUSTAINABLE CHEMICAL MANAGEMENT SERVICES THROUGHOUT THE SUPPLY CHAIN

### A HOLISTIC APPROACH TO CHEMICAL MANAGEMENT, DISCHARGE MONITORING AND FULL VISIBILITY ON THE SUPPLY CHAIN FOR SUSTAINABLE IMPROVEMENT

Bureau Veritas offers a comprehensive sustainable solution to assist international brands, retailers and manufacturers to address the challenges of managing chemical substances throughout their supply chain. Backed by our technical know-how and experience in chemical testing and wastewater discharge monitoring, we support our clients in identifying and substituting hazardous substances and pollutants such as phthalates, azo dyes, heavy metals, APEOs, PFCs, SCCP, VOCs, etc. found in products, wastewater and in the air.



#### WASTEWATER TESTING

Wastewater Quality Program that facilitates sustainable management of hazardous chemicals and discharge monitoring

- ZDHC Approved Laboratories
- Testing of hazardous substances in water according to ZDHC Wastewater Guidelines including priority chemical groups and conventional parameters
- Wastewater sampling: incoming water, raw wastewater, treated wastewater and sludge
- Value-added services: supplier on-boarding seminars, assessment protocol development, continuous monitoring and technical support



#### MRSL CONFORMANCE CERTIFICATION

Assessment of Chemical Formulations used in manufacturing facilities

- ZDHC Approved MRSL Conformance Certifier Level 1, 2 & 3
- Testing according to ZDHC - Manufacturing Restricted Substances List Conformance requirements
- Evaluation of Chemical Formulations
- Testing of a product against the MRSL parameters of priority chemicals
- Audit to the Chemical Formulator



#### CHEMICAL TESTING

Full range of chemical advisory and test solutions to help you overcome the challenges of complying with global regulatory and industry requirements

- Full scope of product and component testing for consumer and technology products
- Cover global regulations including USA's CPSIA requirements; Europe's REACH Regulation, China GB Standards, and Toy Safety / RoHS Directives as well as industry or brand specific Restricted Substance Lists
- Risk based testing based on Bill of Materials helps manage costs and speed up time to market



#### BVE<sup>3</sup> ENVIRONMENTAL EMISSION EVALUATOR

Chemical Inventory Management Tool for Emission Estimation

- Online tool specially designed for brands, retailers & their supply chain
- Chemical Inventory Management and Emission Estimation
- BVE<sup>3</sup> constructs realistic discharge scenarios for the hazardous substances used along the manufacturing process and released to the environment (wastewater discharge)



#### CHEMICAL MANAGEMENT AUDIT

Evaluation of a facility's sustainability / chemical management performance

- Approved Cascale Higg Index FEM Chemical Specialist and Generalist Verifiers
- One of the largest network of Cascale Higg FEM Verifiers
- Full chemical management audit program according to Cascale FEM, amfori BEPI, and Bureau Veritas audit protocol
- Auditing process includes interviews, document review and factory tour to assess overall performance



#### ADVISORY SERVICES

- ZDHC Approved Training Provider for ZDHC Academy and certified training services
- Trainings, seminars and advisory related to chemical management, ZDHC, and Detox for brands, vendors, factories, and other stakeholders
- Research, Data Analysis, Corrective Action Plan and Recommendations on Root-cause Analysis

