

4sustainability® is the Process Factory mark highlighting the adherence of textile and fashion & luxury companies to the sustainability roadmap. The implementation of each roadmap initiative is verified and measured annually based on a structured protocol of activities.



Lanificio Bigagli Spa has joined the 4sustainability® Commitment and applies the Chemical Management Protocol for eliminating toxic and harmful substances in production through the ZDHC MRSL.



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# 4S REPORT CM v. 3.0 ASSESSMENT ABSTRACT OF THE IMPLEMENTATION LEVEL

Lanificio Bigagli Spa



#### PROTOCOL REQUIREMENTS of 4SUSTAINABILITY CHEMICAL MANAGEMENT

#### 1. Management system for the MRSL implementation

Evaluating the implementation of a chemical management system within the company. The verified requirements range from the presence and communication of an internal sustainability policy, to staff training, to the adoption of the ZDHC MRSL and recognized certification standards, as well as to the definition of reduction targets and monitoring of over-time performance

### 2. Suppliers management

Assessing the company's supply chain management. The verified requirements measure the mapping activity, qualification, involvement, training and monitoring of suppliers. Furthermore it oversees the correct functioning of the procedures aimed at ensuring the choice of raw materials/chemicals/processes only from qualified suppliers.

### 3. Raw materials management

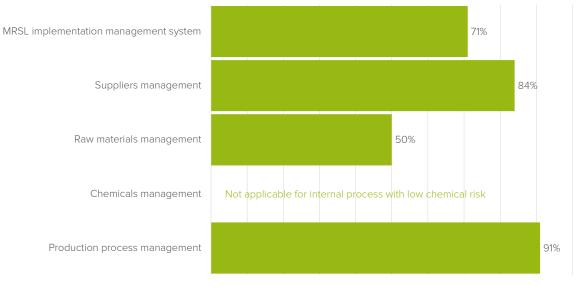
Assessing the management and control system of incoming raw materials and their compliance level with 4sustainability PRSL, as a tool for reducing the risk of incoming contamination in the production process.

#### 4. Chemical product management

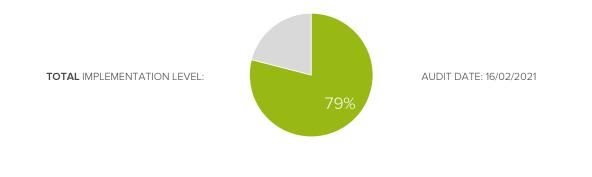
Assessing chemicals management within the factory. The verified requirements measure the level of guaranteed traceability, the qualification level of the chemical products with the ZDHC MRSL (through positive lists, certifications, ZDHC Gateway and testing), the results obtained from the waste water as well as the correct identification, handling and products storage.

5. Production process management Assessing the production processes management and traceability. The verified requirements measure the correct functioning of the internal traceability system and its digitalization. Moreover the correct monitoring of output contamination from the production process is verified. It included product due-diligence and wastewater tests in order to monitor any sub-contractors, according to ZDHC Guidelines.

Environmental, health and safety profile: 4 sustainability protocol does not provide a direct verification of the legal requirements defined by current environmental, health and safety regulations. It reauires the company to complete a auestionnaire for a compliance self-declatarion (available on reauest).





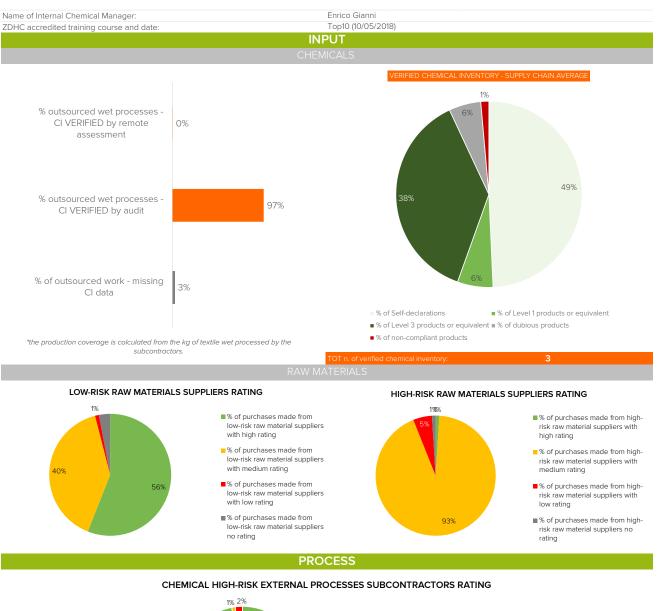


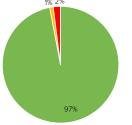


## **PRODUCTION MODEL**

The company processes and sells yarn/fabric.

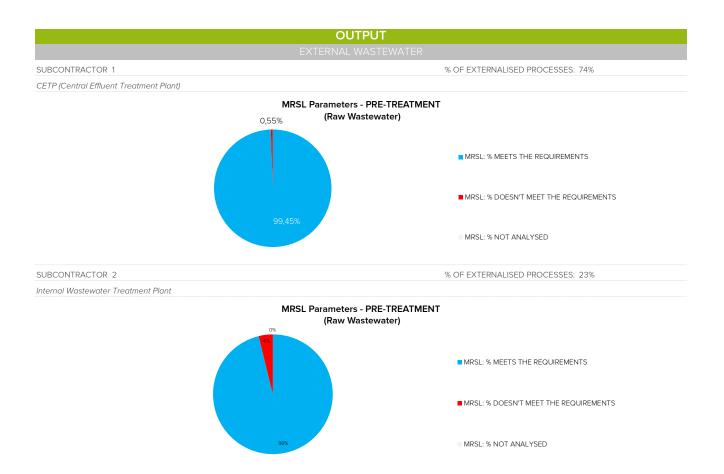
The company does not carry out any internal process and outsources processes of dyeing and printing.





- % of externalised volume to high-risk processes subcontractor with high rating
- % of externalised volume to high-risk processes subcontractors with medium rating
- % of externalised volume to high-risk processes subcontractors with low rating
- % of externalised volume to high-risk processes subcontractors with no rating









# 4s REPORT CM 3.0 2020 IMPLEMENTATION KPIs

Lanificio Bigagli Spa



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4s Chemical Management KPIs	basic	<b>sta</b> advanced	<b>excellence</b>
TOTAL IMPLEMENTATION LEVEL	< 60%	60% ≤ x < 90%	≥ 90%
MANAGEMENT COMMITMENT	LOW • Meeting with the management for integration in the company strategy	MEDIUM  • Meeting with the management for integration in the company strategy  • Adequate resources assignment	HIGH  Meeting with the management for integration in the company strategy  Adequate resources assignment Integration in sustainability comunication
TRAINING AND INFORMATION	One ZDHC training for the Chemical Manager     Information to the staff on Chemical Management commitments	<ul> <li>At least one ZDHC training in the past two years for the Chemical Manager</li> <li>At least 2 sessions per year of internal training on CM to the organizational units involved</li> </ul>	<ul> <li>At least one ZDHC training in the past two years for the Chemical Manager</li> <li>At least 2 sessions per year of internal training on CM to the organizational units involved</li> <li>Training sessions for strategic stakeholders</li> </ul>
COVERAGE OF PRODUCTION: to which the below KPIs refer	< 50%	50 % ≤ x < 80%	≥ 80%
QUALIFICATION OF SUPPLY CHIAN'S CHEMICAL INVENTORY (average)	<ul> <li>Level 0 or equivalent ≥ 80%</li> <li>Data collected through remote assessment</li> </ul>	<ul> <li>Level 0 or equivalent ≥ 90%</li> <li>Level 1/2/3 or equivalent ≥ 25%</li> <li>Data collected through remote assessment and audit/report 4s/baseline Inckeck</li> <li>Data referring to consumed formulations</li> </ul>	Level 0 or equivalent > 98%     Level 1/2/3 or equivalent ≥ 75%     Verified through audit or 4sustainability report or baseline Incheck     Data referring to consumed formulations
WASTEWATER TESTING	Testing required by EU country legislation or 1 Clearstream in the past two years	• At least 1 Clearstream and Root Cause Analysis	Wastewater analysis through ZDHC Guideline with Root Cause Analysis formalized and published on Gateway
PRODUCTION TRACEABILITY	Production traceability without traceability of the formulations batch     Verified through remote assessment	<ul> <li>Production traceability including traceability of the formulations batch for at least part of the processes</li> <li>Verified through assessment and 4s audit/report</li> </ul>	<ul> <li>Production traceability including the traceability of formulations batch for all the processes</li> <li>Verified through audit/report 4s</li> </ul>

\* The cells referring to the requirements are colored green. \*\* The KPI table is subject to periodic updating based on the evolution of the 4sustainability protocol.

