



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.



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

**CHEM
IMPLEMENTATION LEVEL**



AUDIT RATING:	71%	VERS. STD CHEM:	4.0
VALIDATION DATE:	15/11/2021	VALID UNTIL:	31/12/2022

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ABSTRACT

4s Audit Report Chemical Management
Version 4.0



Fratelli Piacenza Spa

4s REQUIREMENTS

Management system

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, as well as to the definition of reduction targets and monitoring of over-time performance.

Chemical risk management

Assessing chemicals risk management within the factory. The verified requirements measure the chemical inventory information management, the related qualification level to ZDHC MRSL 2.0, and related pahse put plan and improvement plan.

Materials risk management

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

Supply Chain assessment

Evaluating the company's supply chain management and assessment. The verified requirements measure the mapping activity, qualification, engagement, training and monitoring of subcontractors and material suppliers and all the procedures in place.

Process management

Assessing the production processes management and traceability. The verified requirements measure the correct functioning of the internal traceability system and its digitalization. Morover it includes processe due-diligence tests in order to monitor contamination on the products.

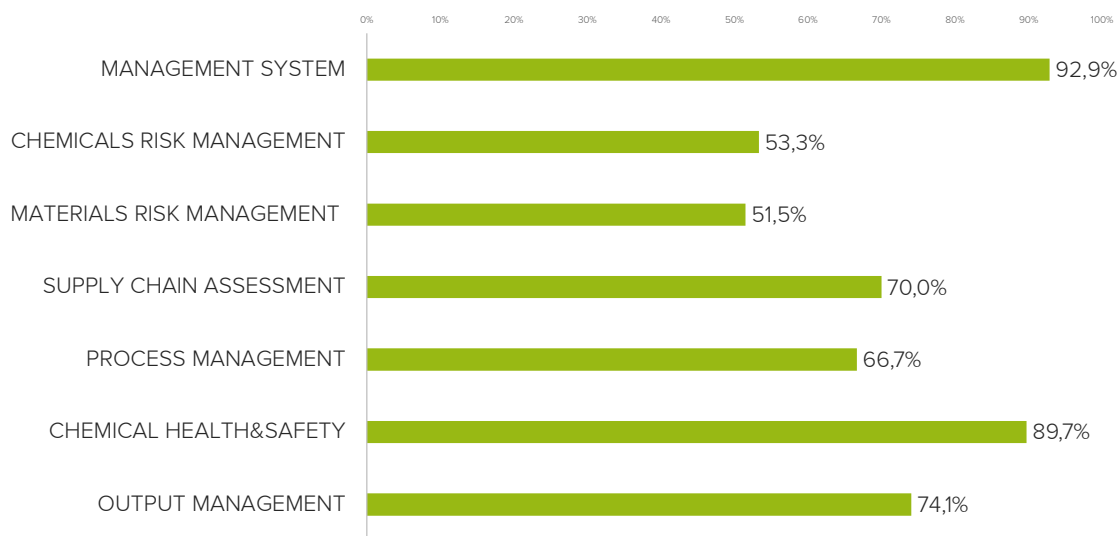
Chemical Health&Safety

Assessing health and safety requirement linked to chemical management. The verified requirements range from labeling, handling and storage of chemical products within the factory, to emergency procedure and waste management.

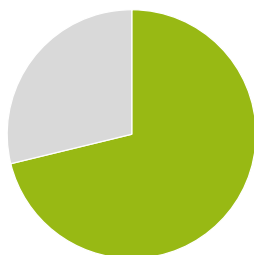
Output Management

Evaluating the company managment of process output. The verified requirements range from legal permission for emission to the control of waste water according to ZDHC Guidelines. for internal and external processes and final product testing.

4S REQUIREMENT - LEVEL OF IMPLEMENTATION



AUDIT RATING



71%

AUDIT DATE

19/10/2021



PRODUCTION MODEL

The company manufacture and sells fabric.
The company carries out internal processes of warping, weaving, dyeing, finishing and washing and outsources processes of warping, weaving and dyeing.

Name of Internal Chemical Manager:

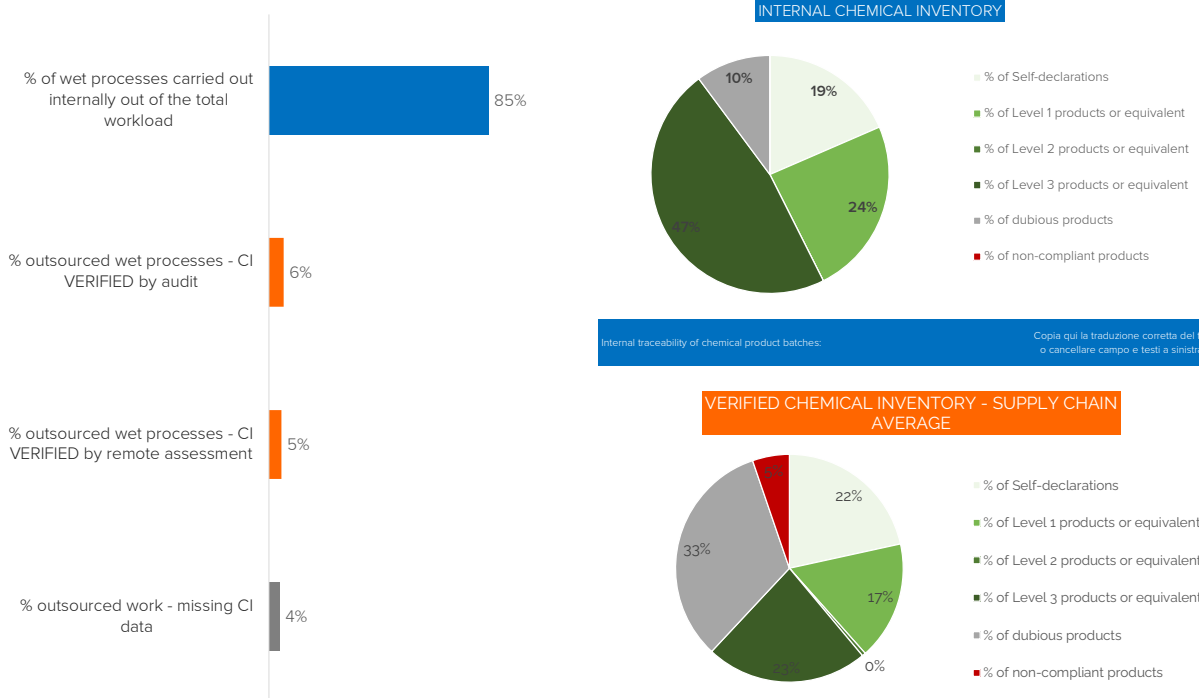
Francesca Carà

ZDHC accredited training course and date:

Corso formazione ZDHC TIG - Ottobre 2021

INPUT

CHEMICALS



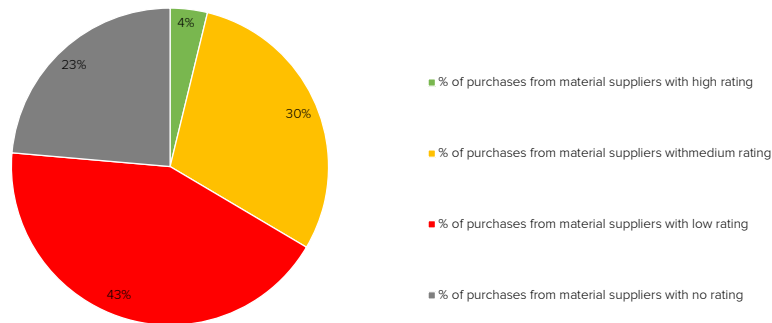
The production coverage is calculated from the meters of textile wet processed by the subcontractors. For yarn dyeing a linear weight of 0.6 kg has been assumed.

TOT n. of verified chemical inventory:

8

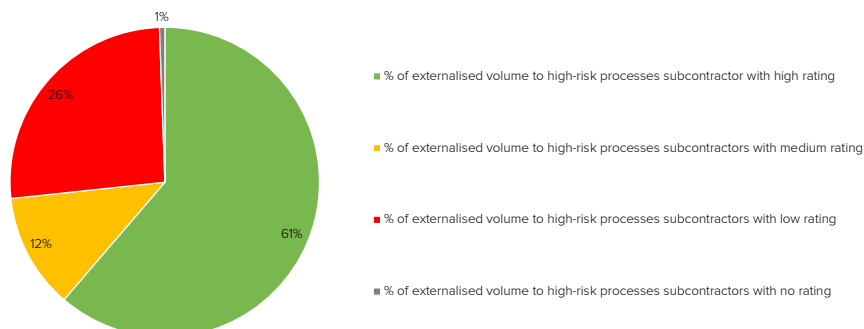
RAW MATERIALS

RAW MATERIALS SUPPLIERS RATING



PROCESS

CHEMICAL HIGH-RISK EXTERNAL PROCESSES SUBCONTRACTORS RATING

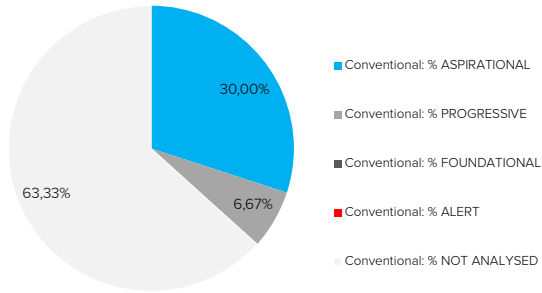


OUTPUT

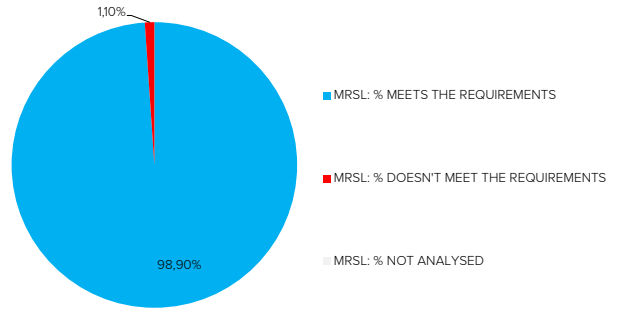
INTERNAL WASTEWATER

Internal Wastewater Treatment Plant - POST TREATMENT MONITORING

Conventional Parameters



MRSL Parameters



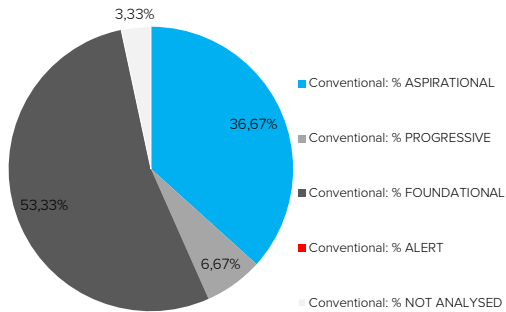
EXTERNAL WASTEWATER

SUBCONTRACTOR 1

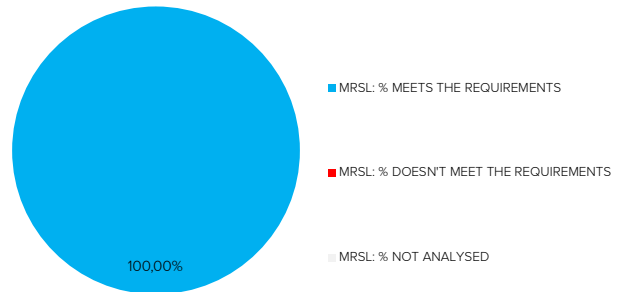
% OF EXTERNALISED PROCESSES: 1%

Internal Wastewater Treatment Plant - POST TREATMENT MONITORING

Conventional Parameters



MRSL Parameters

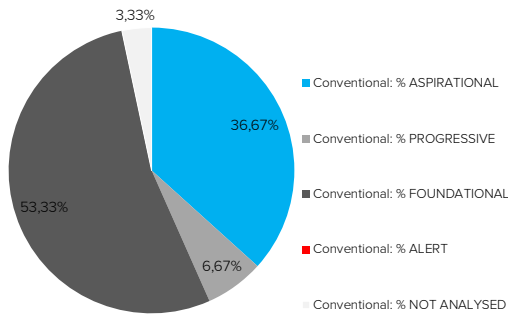


SUBCONTRACTOR 2

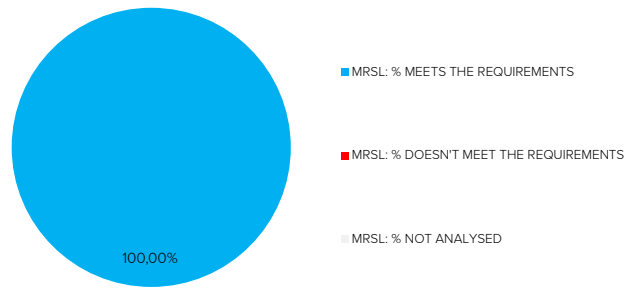
% OF EXTERNALISED PROCESSES: 0%

CETP (Central Effluent Treatment Plant) - PRE TREATMENT MONITORING (Raw waste water)

Conventional Parameters



MRSL Parameters

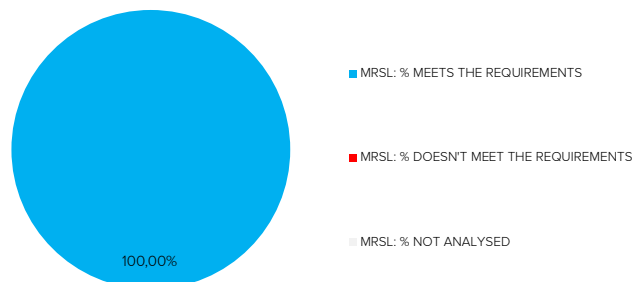


SUBCONTRACTOR 3

% OF EXTERNALISED PROCESSES: 0%

CETP (Central Effluent Treatment Plant) - PRE TREATMENT MONITORING (Raw waste water)

MRSL Parameters



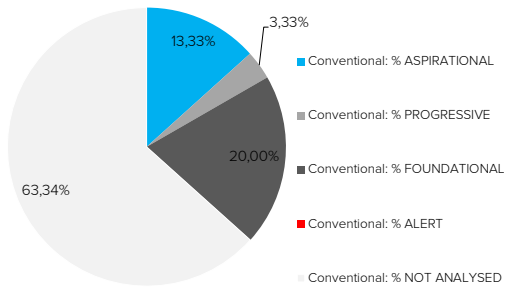
OUTPUT

MATERIAL SUPPLIER WASTEWATER

MATERIAL SUPPLIER 1

% OF PURCHASED VOLUME: 10%

Conventional Parameters



MRS� Parameters

