



4sustainability® is an innovative implementation framework and a registered mark assuring the sustainability performances of fashion & luxury supply chain.

The framework is built and continuously updated in line with the best methodologies, standards and practices.



Manifattura Sesia s.r.l.
has joined the 4sustainability® Commitment
and applies the 4s CHEM Protocol
for eliminating toxic and harmful substances in production
through the ZDHC MRSL.

CHEM IMPLEMENTATION LEVEL



COMPANY ID Nr.	4S-100415	VERS. PROTOCOL CHEM:	4.2
ASSURANCE RATING:	87%	EXPIRATION DATE:	03/10/2023
ISSUE DATE:	03/10/2022		

Issue by:
Process Factory s.r.l.
Via A. Da Noli, 4/6 - 50127 Firenze
CF/P.IVA: 058052004





ABSTRACT

4s Assurance Report Chemical Management Version 4.2



Manifattura Sesia s.r.l.

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. Moreover it includes processe due-diligence tests in order to monitor contamination on the products.

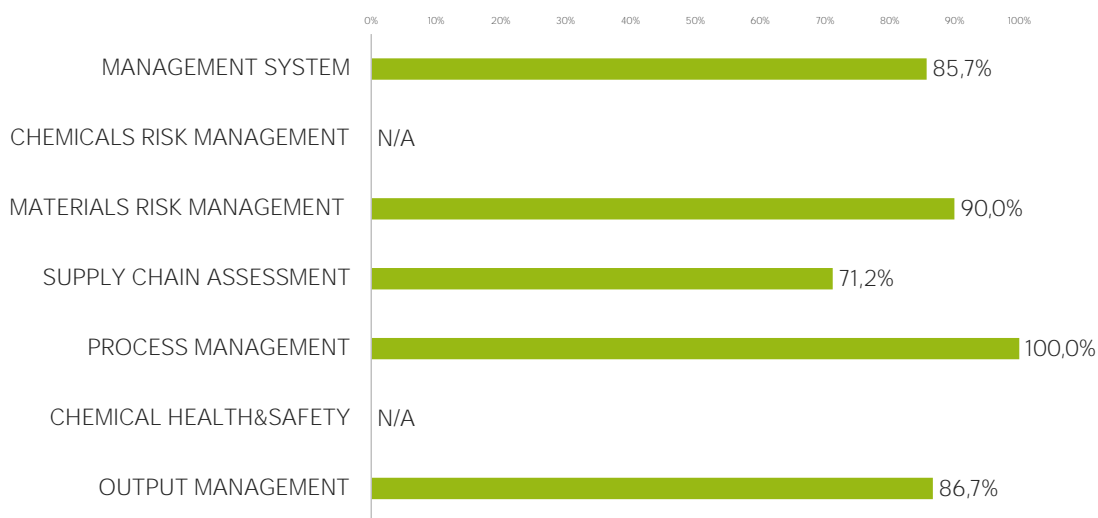
Chemical Health&Safety

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.

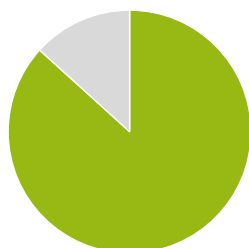
Output Management

Evaluating the company management 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 - IMPLEMENTATION LEVEL



ASSURANCE RATING



87%

ASSURANCE DATE

16/09/2022



PRODUCTION MODEL

The company manufacture and sells yarns.
The company does not carry out any internal process,
and outsources processes of dyeing.

Name of Internal Chemical Manager:
ZDHC accredited training course and date:

Ugo Misuraca
Introduction To Chemical Management del 21/23 giugno 2021

INPUT

CHEMICALS

% of wet processes carried out internally out of the total workload

0%

% outsourced wet processes - CI VERIFIED by audit

0%

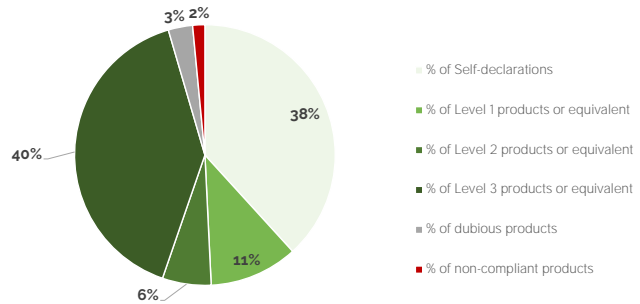
% outsourced wet processes - CI VERIFIED by remote assessment

92,3%

% outsourced work - missing CI data

7,7%

VERIFIED CHEMICAL INVENTORY - SUPPLY CHAIN AVERAGE

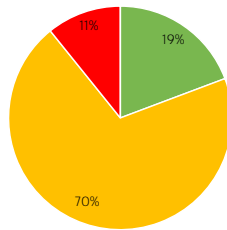


TOT n. of verified chemical inventory:

5

RAW MATERIALS

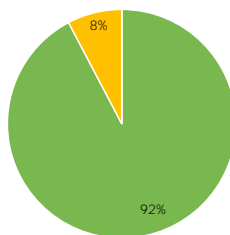
RAW MATERIALS SUPPLIERS RATING



- % of purchases from material suppliers with high rating
- % of purchases from material suppliers with medium rating
- % of purchases from material suppliers with low rating
- % of purchases from material suppliers with no rating

PROCESS

CHEMICAL HIGH-RISK EXTERNAL PROCESSES SUBCONTRACTORS RATING



- % 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

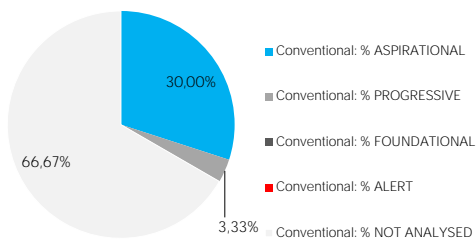
OUTPUT
EXTERNAL WASTEWATER

SUBCONTRACTOR 1

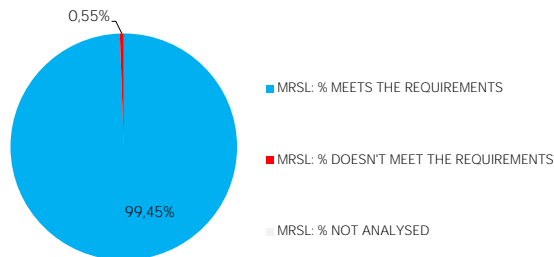
% OF EXTERNALISED PROCESSES: 38%

Internal Wastewater Treatment Plant - POST TREATMENT MONITORING

Conventional Parameters



MRSL Parameters

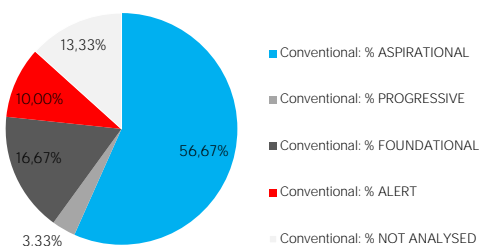


SUBCONTRACTOR 2

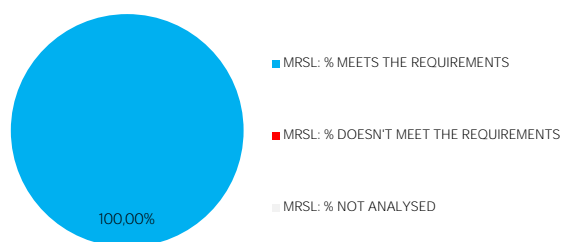
% OF EXTERNALISED PROCESSES: 35%

Internal Wastewater Treatment Plant - POST TREATMENT MONITORING

Conventional Parameters



MRSL Parameters

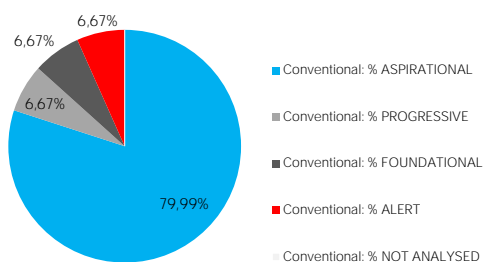


SUBCONTRACTOR 3

% OF EXTERNALISED PROCESSES: 10%

Internal Wastewater Treatment Plant - POST TREATMENT MONITORING

Conventional Parameters



MRSL Parameters

