



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.

# MANTECO

MANTELLASSI COMPAGNIA TESSILE

Manteco S.p.A.  
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-100005		
ASSURANCE RATING:	80%	VERS. PROTOCOL CHEM:	5.0
ISSUE DATE:	04/03/2024	EXPIRATION DATE:	04/03/2025

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 5.0



Manteco S.p.A.

### 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.

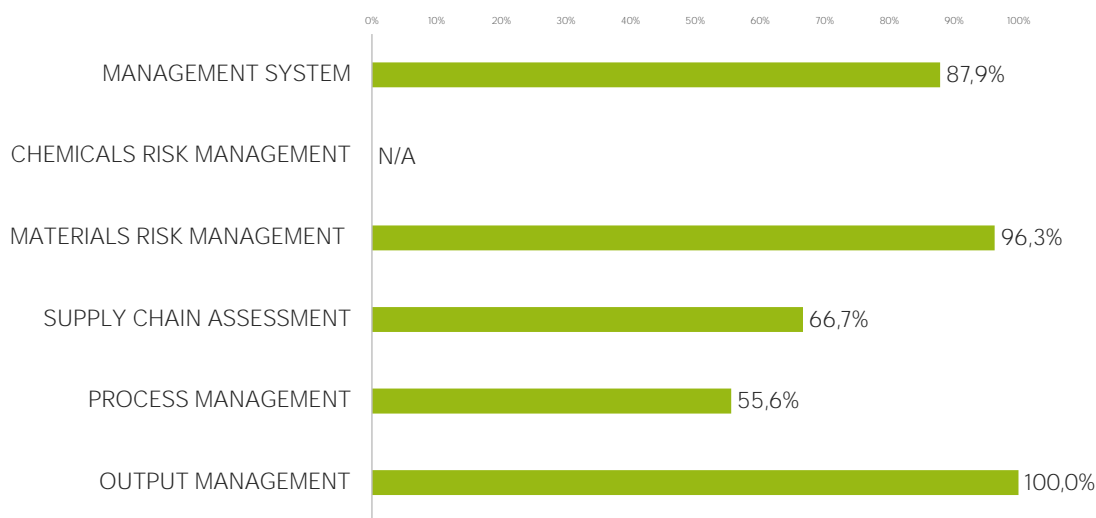
#### Chemical Health&Safety

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.

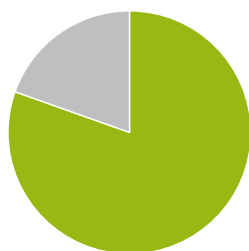
#### Output Management

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



80%

### ASSURANCE DATE

25/02/2024



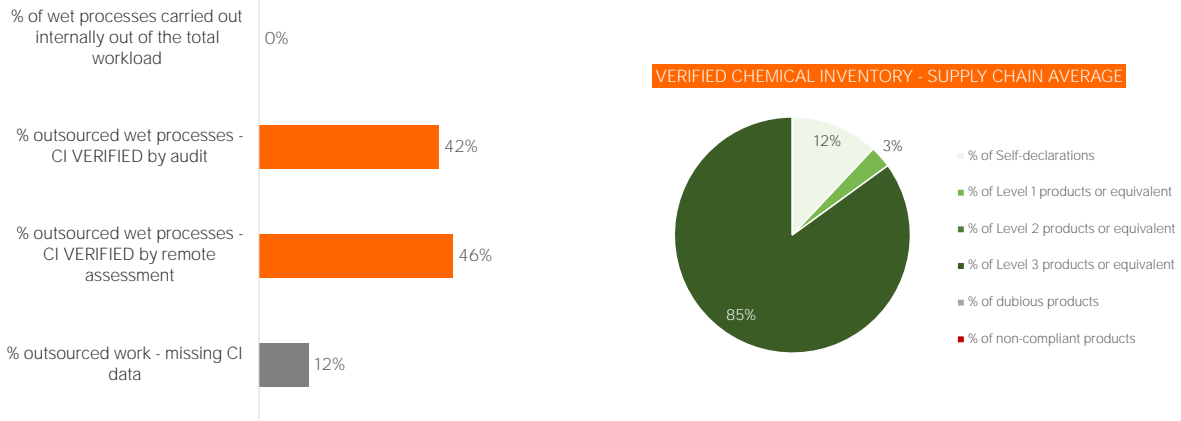
## PRODUCTION MODEL

The company manufactures fabric.  
The company does not carry out any internal process,  
and outsources processes of dyeing and finishing.

Name of Internal Chemical Manager: Renato Bellini  
ZDHC accredited training course and date: ZDHC CMS TIG Training - 03/2023

## INPUT

CHEMICALS vs MRSL ZDHC v.3.1



The production coverage is calculated from the meters of textile wet processed by the subcontractors. For yarn dyeing a linear weight of 0.5 kg has been assumed.

TOT n. of verified chemical inventory: 4

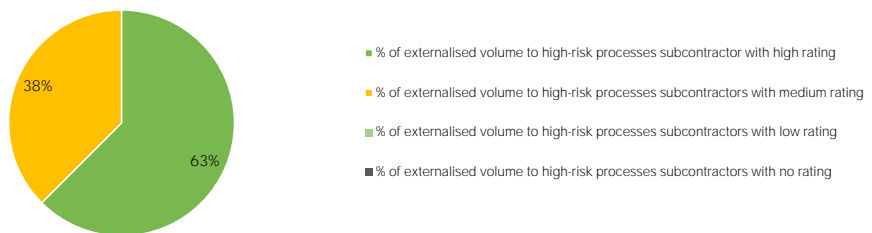
## RAW MATERIALS

### RAW MATERIALS SUPPLIERS RATING



## PROCESS

### CHEMICAL HIGH-RISK EXTERNAL PROCESSES SUBCONTRACTORS RATING



OUTPUT  
EXTERNAL WASTEWATER

SUBCONTRACTOR 1

% OF EXTERNAL WORKLOAD: 23,9%

Indirect Discharge without Pre-Treatment (CETP - Central Effluent Treatment Plant)

WW Testing performed yearly: 1

Conventional and Anions

N/A



MRSL



Metals



SLUDGE N/A

SUBCONTRACTOR 2

% OF EXTERNAL WORKLOAD: 18,5%

Indirect Discharge without Pre-Treatment (CETP - Central Effluent Treatment Plant)

WW Testing performed yearly: 1

Conventional and Anions

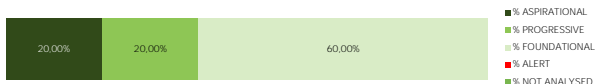
N/A



MRSL



Metals



SLUDGE N/A

SUBCONTRACTOR 3

% OF EXTERNAL WORKLOAD: 12,7%

Indirect Discharge without Pre-Treatment (CETP - Central Effluent Treatment Plant)

WW Testing performed yearly: 1

Conventional and Anions

N/A



MRSL



Metals



SLUDGE N/A



Supplier  
to Zero

By ZDHC



# Verification of Achievement

Based on document desktop review,  
this document acknowledges

## Manteco SPA

has successfully completed Supplier to Zero (Progressive Level) on  
17.05.2023\*

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Frank Michel  
ZDHC  
Executive Director

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2999-3124-7EA

Document Control Number