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.

lyria

Lyria 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

CHEM
advanced

COMPANY ID Nr.   4S-100305

ASSURANCE RATING: 79%   VERS. PROTOCOL CHEM: 4.2

ISSUE DATE: 10/01/2023   EXPIRATION DATE: 10/01/2024

PROCESS FACTORY
sustainable business makers

ABSTRACT

4s Assurance Report Chemical Management
Version 4.2

Lyria S.p.a.

CHEM

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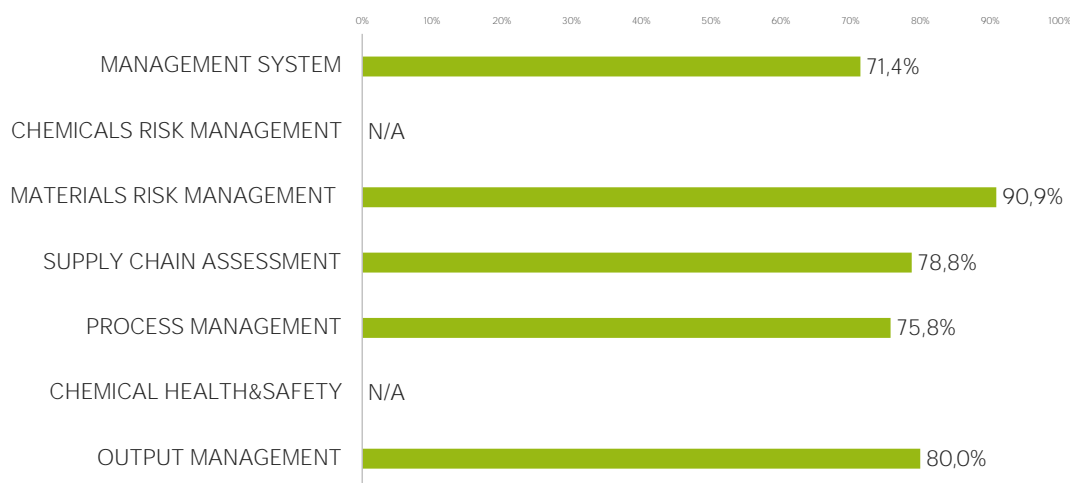
Chemical Health&Safety
Assessing health and safety requirement linked to chemical management. The verified requirements range from labeling, handling and storage of chemical products within the factory, to emergency procedure and waste management.

Output Management
Evaluating the company managament 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

Requirement	Level
MANAGEMENT SYSTEM	71,4%
CHEMICALS RISK MANAGEMENT	N/A
MATERIALS RISK MANAGEMENT	90,9%
SUPPLY CHAIN ASSESSMENT	78,8%
PROCESS MANAGEMENT	75,8%
CHEMICAL HEALTH&SAFETY	N/A
OUTPUT MANAGEMENT	80,0%

ASSURANCE RATING
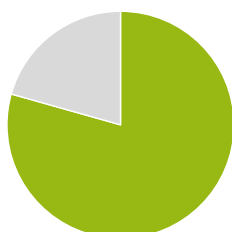
79%

ASSURANCE DATE

14/12/2022

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The company manfacture and sells fabric.
The company does not carry out any internal process,
and outsources processes of warping, weaving, dyeing and finishing.
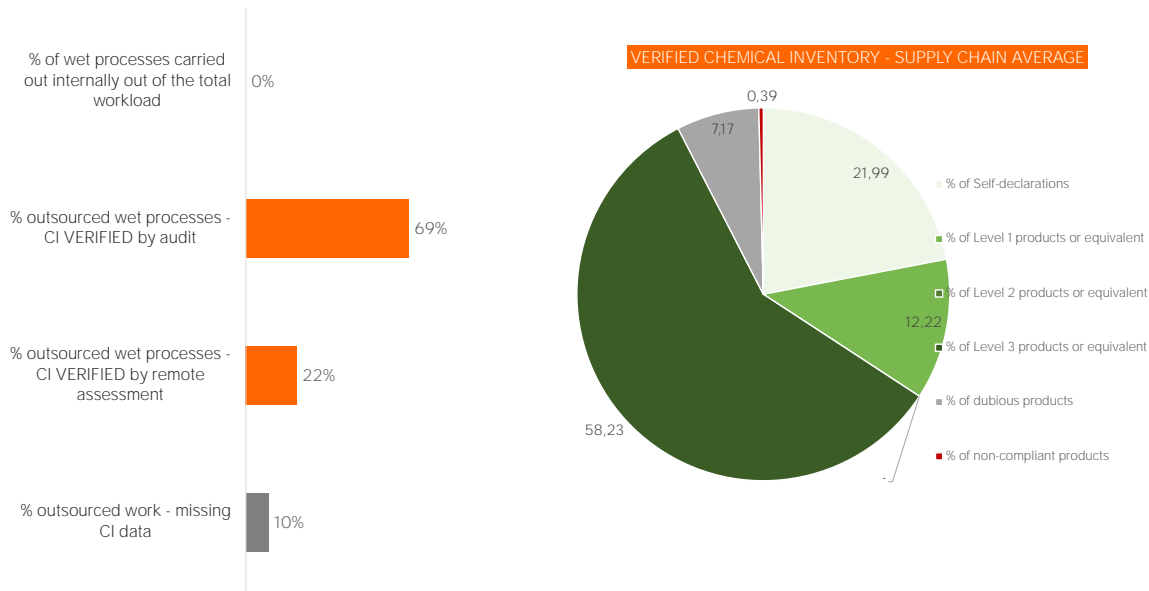
Name of Internal Chemical Manager:	Fabio Carradori
ZDHC accredited training course and date:	ZDHC Academy Chemical Manager base 10-12 Novembre 2020

INPUT

CHEMICALS

% of wet processes carried out internally out of the total workload — 0%

% outsourced wet processes - CI VERIFIED by audit — 69%

% outsourced wet processes - CI VERIFIED by remote assessment — 22%

% outsourced work - missing CI data — 10%

VERIFIED CHEMICAL INVENTORY - SUPPLY CHAIN AVERAGE

0,39
7,17
21,99
12,22
58,23

- % of Self-declarations
- % of Level 1 products or equivalent
- % of Level 2 products or equivalent
- % of Level 3 products or equivalent
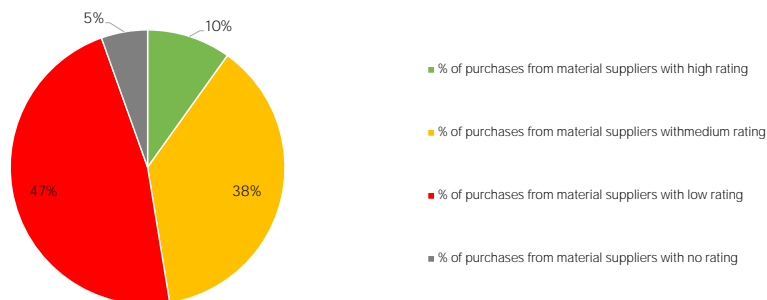- % of dubious products
- % of non-compliant products

The production coverage is colculated from the meters of textile wet processed by the subcontractors. For yarn dyeing a linear weight of 3,33 kg has been assumed.

TOT n. of verified chemical inventory:	4

RAW MATERIALS

RAW MATERIALS SUPPLIERS RATING

5%
10%
47%
38%

- % of purchases from material suppliers with high rating
- % of purchases from material suppliers withmedium 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

7%
3%
90%

- % 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

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SUBCONTRACTOR 1   % OF EXTERNALISED PROCESSES: 35%

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

MRSL Parameters

0,55%

99,45%

- ■ MRSL: % MEETS THE REQUIREMENTS
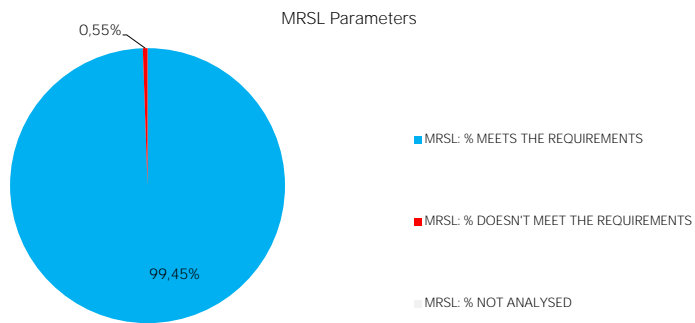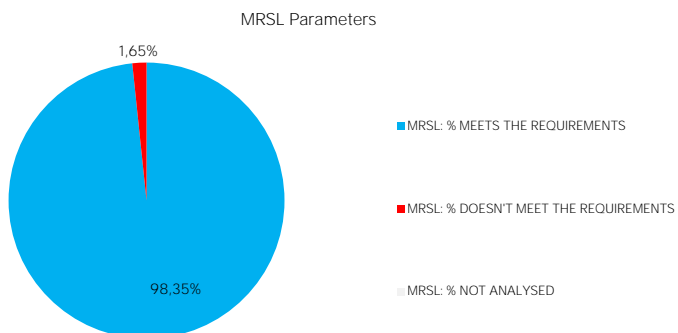- ■ MRSL: % DOESN'T MEET THE REQUIREMENTS
- ▫ MRSL: % NOT ANALYSED

SUBCONTRACTOR 2   % OF EXTERNALISED PROCESSES: 31%

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

MRSL Parameters

1,65%

98,35%

- ■ MRSL: % MEETS THE REQUIREMENTS
- ■ MRSL: % DOESN'T MEET THE REQUIREMENTS
- ▫ MRSL: % NOT ANALYSED

SUBCONTRACTOR 3   % OF EXTERNALISED PROCESSES: 22%

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

MRSL Parameters

2,21%

97,79%

- ■ MRSL: % MEETS THE REQUIREMENTS
- ■ MRSL: % DOESN'T MEET THE REQUIREMENTS
- ▫ MRSL: % NOT ANALYSED

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

MRSL Parameters

0,55%

99,45%

■ MRSL: % MEETS THE REQUIREMENTS

■ MRSL: % DOESN'T MEET THE REQUIREMENTS

□ MRSL: % NOT ANALYSED

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