



4s Abstract Report Chem

versione 5.0



AZIENDA

Lanificio F.lli Bacci S.p.A.

DATA DI ASSURANCE

19/02/2026

NOMINATIVO VERIFIER

Rita Cabrucci



ABSTRACT

4s Assurance Report Chemical Management
Version 5.0

Lanificio F.lli Bacci 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 v.3.1, 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.

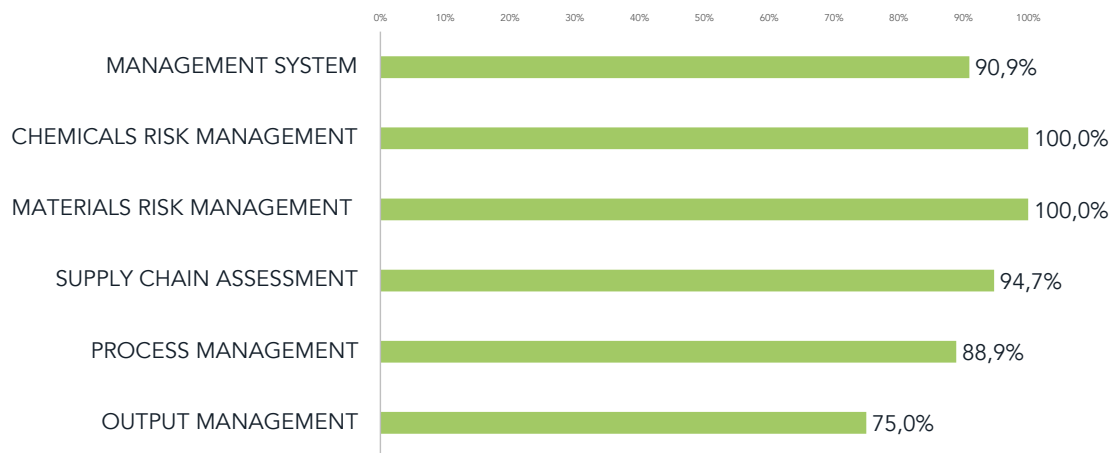
Chemical Health&Safety

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.

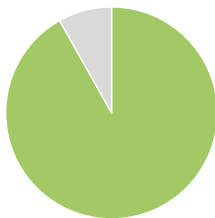
Output Management

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 Wastewater Guidelines, for internal and external processes and final product testing.

4S REQUIREMENT - IMPLEMENTATION LEVEL



ASSURANCE RATING



92%

ASSURANCE DATE

19/02/2026

PRODUCTION MODEL

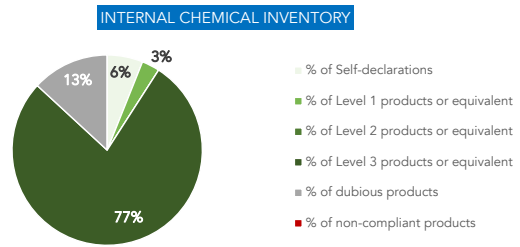
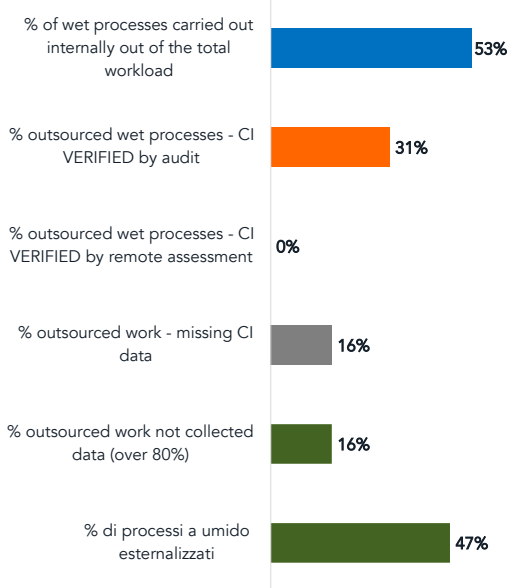
The company manufactures and sells fabric.
The company carries out internal processes of finishing,
and outsources processes of finishing and dyeing.

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

Lorenzo Bacci
ZDHC Advanced Wastewater Management Training - 28/11/2024

INPUT

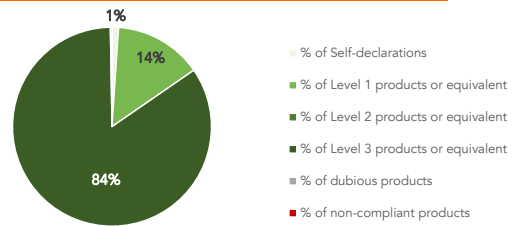
CHEMICALS vs MRSL ZDHC v. 3.1



Internal traceability of chemical product batches:

For all internal processes with advanced IT system

VERIFIED CHEMICAL INVENTORY - SUPPLY CHAIN AVERAGE



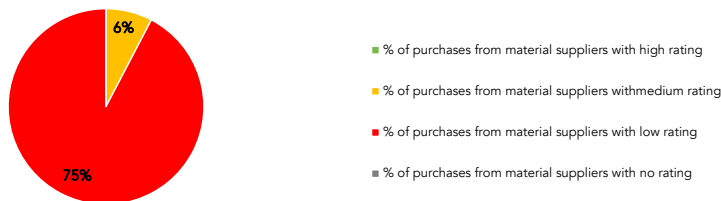
The production coverage is calculated from the meters of textile wet processed by the subcontractors. For yarn dyeing a linear weight of 0,4 kg has been assumed.

TOT n. of verified chemical inventory:

2

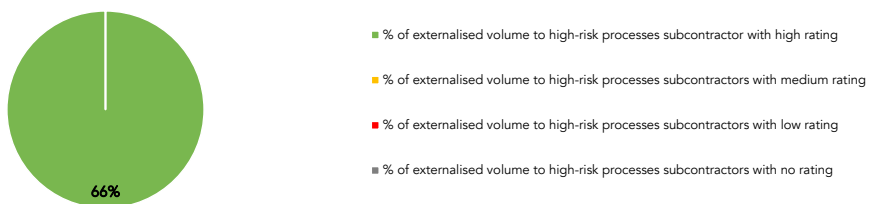
RAW MATERIALS

RAW MATERIALS SUPPLIERS RATING



PROCESS

CHEMICAL HIGH-RISK EXTERNAL PROCESSES SUBCONTRACTORS RATING



OUTPUT INTERNAL WASTEWATER

Indirect Discharge with Pre-Treatment (CETP - Central Effluent Treatment Plant)

% OF INTERNAL WORKLOAD: **53%**

WW Testing performed yearly: **1**

Conventional and Anions

N/A

Metals



MRSL



SLUDGE



EXTERNAL WASTEWATER

SUBCONTRACTOR 1

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

% OF EXTERNAL WORKLOAD: **23%**

WW Testing performed yearly: **1**

Conventional and Anions

N/A

Metals



MRSL



SLUDGE

N/A

SUBCONTRACTOR 2

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

% OF EXTERNAL WORKLOAD: **8%**

WW Testing performed yearly: **2**

Conventional and Anions

N/A

Metals



MRSL



SLUDGE

N/A