

# CHALLENGES IN

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## ENSURING MEASUREMENT TRACEABILITY IN THE LEATHER INDUSTRY

Measurement traceability is essential to ensure the reliability and accuracy of results obtained from analyses or measurements, using recognized and well-defined standards as secure reference points. In the leather industry, the lack of reliable reference standards can compromise the precise evaluation of product characteristics and performance, leading to variations in measurements and final quality, ultimately damaging consumer trust and industry competitiveness. Moreover, measurement traceability is critical for compliance with regulations and quality specifications. Addressing this challenge requires collaboration among leather companies, standardization bodies, and the scientific community to develop sustainable solutions that ensure measurement traceability within the sector.

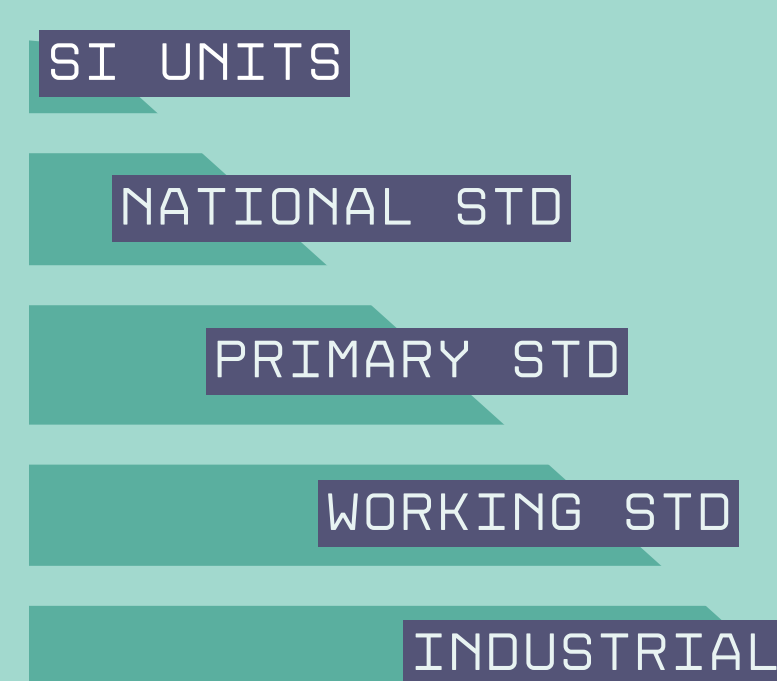
### traceability history in pills



### measurements and traceability

MEASUREMENT	PROCESS TO DETERMINE A QUANTITY
VALIDITY	CLOSENESS TO TRUE VALUE
RELIABILITY	REPEATABILITY OF RESULTS
TRACEABILITY	STANDARD COMPLIANCE

TREACEABILITY CHAIN  
METROLOGICAL  
MEASUREMENT  
UNCERTAINTY BUDGET



### concept



### TREACEABILITY IN LEATHER SECTOR

✓ STANDARD ANALYSIS METHODS

STANDARD REFERENCE MATERIAL

matrix samples with analytes trace

- BISPHENOLS
- PHENOL
- FORMALDEHYDE
- GLUTARALDEHYDE
- SULFATE
- PHTALATE
- MELAMINE
- NITRO COMPOUNDS
- CHROME
- METALS
- SCC PARAFFINS



### the challenge

#### ADVANTAGES

- RESULTS ESSURANCE
- MEASUREMENTS STANDARDIZATION
- RESULTS COMPARABILITY BETWEEN PARTS

#### OPPORTUNITIES

- RESULTS COERENCE OVER TIME
- ENSURE HEALTH AND SAFETY
- LESS CONTROVERCIES BETWEEN PARTS

WITHOUT TREACEABILITY, PARTS CAN CLAIM ANYTHING THEY WANT IN A TEST



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