

SBOM NLP Validation Report

Validation Parameters

Workcenter Plant Reference:	002
Workcenter Production Area Reference:	02
Workcenter Use Single Final Assembly:	Yes
NLP Model Used:	en_core_web_sm

Report generated on: 2025-05-24 20:34:46

Work Center Validation Results

Validation Item	Input Value	XML Value	Status
Workcenter Plant Reference mismatch	002	01	Mismatch
Workcenter Production Area Reference mismatch	02	002	Mismatch

NLP-based Twisted Wires Validation Results

FAILURE: Mismatches found between SBOM and Excel

NLP Processing Details:

NLP Validation Summary

Validation Category	Issues Found	Status
Work Center Attributes	2	FAIL
Twisted Wires (NLP Validation)	0	PASS
OVERALL NLP VALIDATION STATUS	2	FAIL

NLP Processing Notes

1. This validation used spaCy's NLP model (en_core_web_sm) to parse wire descriptions.
2. The system extracts wire numbers, colors, and measurements from natural language descriptions.
3. Comparisons are made with a tolerance of ± 0.01 for floating point values.
4. Some descriptions may be parsed differently than regex-based approaches.

*This is an automatically generated NLP validation report
For any discrepancies, please contact the validation team*