SBOM NLP VALIDATION REPORT

Validation Parameters

Workcenter Plant Reference:	002
Workcenter Production Area Reference:	01
Workcenter Use Single Final Assembly:	Yes
NLP Model Used:	en_core_web_sm

Report generated on: 2025-05-26 03:30:24

Work Center Validation Results

Validation Item	Input Value	XML Value	Status
Error validating work center attributes	N/A	No SBOM attributes found in XML data	

NLP-based Twisted Wires Validation Results

ERROR: No cost results found in SBOM XML.

NLP Validation Summary

Validation Category	Issues Found	Status
Work Center Attributes	1	FAIL
Twisted Wires (NLP Validation)	0	PASS
OVERALL NLP VALIDATION STATUS	**1**	**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.