

# TECHNICAL COMPLIANCE REPORT

Report ID:	TR-QA-2024-089
Document Type:	Safety Compliance Certificate
Product:	Industrial Safety Helmet Pro-X900
Manufacturer:	SafeTech Industries GmbH
Test Date:	2025-10-04
Inspector:	Dr. Michael Weber, Senior Safety Engineer
Standard:	EN 397:2012 + A1:2023
Validity:	24 months from issue date

## EXECUTIVE SUMMARY

This report documents the comprehensive testing and evaluation of the Industrial Safety Helmet Pro-X900 in accordance with European Standard EN 397:2012. The helmet has successfully passed all mandatory safety tests including impact resistance, penetration resistance, flammability, and electrical insulation. All test results meet or exceed the requirements specified in the standard.

## TEST RESULTS SUMMARY

Test Parameter	Standard Requirement	Test Result	Status
Impact Resistance	$\leq 5000$ N	3850 N	PASS
Penetration Test	No contact with headform	No contact	PASS
Flammability	$\leq 5$ seconds after flame	2 seconds	PASS
Electrical Insulation	1200 V AC, 1 minute	No breakdown	PASS
Chin Strap Strength	$\geq 150$ N	245 N	PASS
Temperature Resistance	-20°C to +50°C	No degradation	PASS

## TECHNICAL NOTES

• The helmet demonstrated exceptional impact absorption capabilities, with results 23% better than required. • Material quality and workmanship meet high industry standards. • All safety labels and markings are clearly visible and permanent. • The adjustment system provides secure and comfortable fit across various head sizes. • Recommended for industrial, construction, and

manufacturing environments.

## **CONCLUSION**

Based on the comprehensive testing conducted, the Industrial Safety Helmet Pro-X900 manufactured by SafeTech Industries GmbH fully complies with the requirements of EN 397:2012 + A1:2023. The product is certified for use in industrial environments where head protection is required. This certificate is valid for 24 months from the date of issue.