



PROTECTION AGAINST CHEMICAL PRODUCTS

Tests dedicated to PPE footwear, gloves, clothing
resistant to chemical products

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As a Notified Body (n°0075), CTC is empowered to certify PPE intended to protect against chemicals.

Products subject to EU regulation 2016/425 PPE Category III, requires the issuance of a report after the annual production control (Module C2) done by CTC.



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The objective of these standards is the health and safety of operators who are called upon to handle or be in the presence of chemicals. Professionals can be put at risk by exposure of the skin to these chemicals.

CTC uses the following test methods:

EN 13832-1: Test methods to determine resistance of footwear to chemicals. Contact conditions: projection, degradation and permeation.

ISO 6530: Specifies a test method for the measurement of indices of penetration, absorption and repellency for protective clothing materials against liquid chemicals, mainly chemicals of low volatility.

ISO 6529: Describes laboratory test methods to determine the resistance of materials used in protective clothing to permeation by liquid or gaseous chemicals under the conditions of either continuous or intermittent contact.

EN 16523-1: Determination of material resistance to permeation by chemicals. Permeation by potentially hazardous liquid chemicals under conditions of continuous contact.

EN ISO 374-2: Specifies a test method for the penetration resistance of gloves that protect against dangerous chemicals and/or micro-organisms.

EN ISO 374-4: Specifies the test method for the determination of the resistance of protective glove materials to degradation by dangerous chemicals with continuous contact.

ASTM F739-99a: Standard test method for resistance of protective clothing materials to permeation by liquids or gases under conditions of continuous contact.

GB/T 23462 clause 6.4: Protective clothing. Test method for chemical protective materials to permeation by chemicals.



CTC also offers specific tests dedicated to agricultural PPE

To declare compliance, CTC relies on requirement below standards:

EN 374-1: Protective gloves against dangerous chemicals and micro-organisms: terminology and performance requirements for chemical risks.

EN 14325: Protective clothing against chemicals. Test methods and performance classification of chemical protective clothing materials, seams, joins and assemblages.

EN 13832-2: Footwear protecting against chemicals: requirements for limited contact with chemicals.

EN 13832-3: Footwear protecting against chemicals: requirements for prolonged contact with chemicals.

GB 28881: Hand protection - Protective gloves against chemicals and micro-organisms.

An international CTC team of experts in chemical and physical analysis.

Unique expertise in PPE analysis and tests and in environmental chemical analysis.

Rigorous and consistent evaluation of the performance of your PPE.

Tests under **standardized methods** and strict compliance with requirements standards.

CTC Guaranties

Reliable and experienced reference frames.

CTC experts actively participate in **National and International Standardization**. They have specific skills in chemical PPE assessment.