



Disposable protective gloves Quality & Compliance

Disposable protective gloves are personal protective equipment (PPE), meant to protect the user's skin and provide adequate shield against potential hazards. and material must adapt to the wearer in relation to size.

Product and regulatory scenario in Europe

The use of adequate gloves is generally effective, providing good sensitivity and freedom of movement, but users should be aware of the fact, that PPE gloves should never be used as a substitute for handwashing or the use of disinfectants.

In Europe, PPE gloves must bear a CE certification mark and meet the requirements of the standards described in the Regulation EU 2016/425 (PPE).

Service scope

Eurofins can support manufacturers, importers and brand owners, responsible for the products' quality, to ensure safety, functionality, performance and compliance, through testing, certification, inspection and regulatory services provided from our worldwide laboratory network.

Testing services

Disposable protective gloves under EU 216/425 (PPE)

Testing service provided, against dangerous chemicals and micro-organisms:

- EN 420 – Protective gloves - General requirements
- EN ISO 374-1 Protective gloves against dangerous chemicals
- EN ISO 374-5 – Protective gloves against micro-organisms
- EN 374-2 Determination of resistance to penetration
- EN 16523-1 Permeation by liquid chemicals under conditions of continuous contact
- EN 374-4 Determination of resistance to degradation by chemicals
- ISO 16604 Procedure B: Protection

against viruses

Food contact gloves testing under EN 1186

Plasticisers and other substances may migrate from the gloves into the handled food, compromising it.

- Overall and specific migration testing in accordance with EN 1186 for different food simulants

Single-use nitrile gloves testing to ISO/IEC 17025:2017

- Testing of water and air leakage against ISO 374

Functionality and innocuousness criteria

Gloves must be safe and functional.

- If the glove has seams, they should not reduce the performance of the glove, neither the gloves' protection.
- pH levels should be between 3.5 and 9.5 (ISO 4045 leather; ISO 3071 textile)
- Chromium (VI) Content should be below detection (<3ppm) (ENISO 17075:2007)
- Natural rubber gloves should be tested for extractable proteins, to mitigate allergic reactions of wearers (EN 455-3)
- If cleaning instructions are provided, the level of performance of the product must be proven at least until the maximum number of washes claimed in the product's artwork

Notified body service

CE-marking is a mandatory conformity mark which is required for PPEs in Europe. It signals that products are safe and compliant with European Regulation (EU) 2016/425.

Eurofins Textile Testing Spain, S.L., is Notified Body N° 2865 for Personal Protective Equipment (PPE), with focus on protective clothing and footwear, providing both, testing and certification services to ensure the compliance of your gloves –among other PPE products– against the concerned European regulation EU 2016(425).

On-site inspections and audits

Assessing manufacturing sites before initiating mass production and checking product quality prior to shipment are key parts of the quality control process, and vital to ensure that production is carried out according to the quality standards and expectations of destination markets.

Quality Assurance and Control throughout the Supply Chain

Whichever your role in the supply chain, you need to safeguard the reputation of your brand and/or that of your client.

From suppliers' assessment and R&D support, regulatory guidance or supply chain mapping, all the way through to compliance, bespoke testing and QC inspections and down to failure analysis and market surveillance, we cover every stage of your product's quality journey.

