

# green X-free



## Sustainability and skin-friendliness in one glove



Hospital



Dental



Primary  
care



Long-term  
care



Veterinary



Lab &  
Pharma



Food



Hygiene

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# green X-free

sempermed® green X-free, a nitrile examination glove designed with both skin friendliness and environmental responsibility in mind. Crafted with advanced nitrile latex formulation it represents a significant step in our journey to offer the best solution to protect the skin of those who care for others, while following eco-friendly production practices.

## Product Benefits



### Accelerator-free formula for sensitive skin

sempermed® green X-free gloves are manufactured without the addition of rubber accelerators or sulphur. Thus, reducing the risk of skin irritation and allergic reactions, making it an ideal choice for individuals with **type I latex allergy** and **type IV hypersensitivity**. The sempermed® green X-free show minimal chemical residues, ensuring safety for sensitive users.



### Superior grip and dexterity

Despite their **lightweight** design, the sempermed® green X-free examination gloves provide good durability and a secure grip. Due to the texturization in the finger area, they offer optimal touch and feel.



### AQL level

With an **AQL of 1.0 for pinholes**, they deliver reliable barrier protection without compromising on tactile sensitivity.



### Ease of use

The silicone-free inner surface treatment allows for **quick and easy donning and glove changes**, ensuring seamless transitions for users even in fast-paced environments.



# Commitment to sustainability

Our sempermed® green X-free is not only about performance, however also about minimizing the overall environmental footprint.

The glove has been evaluated through a **Life Cycle Assessment (LCA)** following ISO 14040 and 14044 standards, determining its environmental impact across the entire production process.

## Life Cycle Assessment (LCA)

Our glove has been evaluated through a **LCA** following ISO 14040 and 14044 standards, reviewing its environmental impact across the entire production process. Areas for improvement have been assessed and are continuously being monitored and optimized to reduce the overall environmental impact.

## Eco-friendly production

The gloves are crafted using an **advanced nitrile latex formulation**. The gloves require no sulphur and other destructive chemical accelerators, making our production process more clean and sustainable. The reduced use of chemicals does not sacrifice the glove's **strength nor durability**.



## Reduced waste and resource efficiency

The glove's **thin but durable design** optimizes resource use, minimizing waste without compromising protection performance. The sempermed® green X-free's lightweight structure means fewer raw materials are needed, further enhancing the product's sustainability credentials.



## Ethical manufacturing

Produced at our fully-owned production site in Malaysia, the sempermed® green X-free gloves are subject to regular **social responsibility audits** conducted by independent third parties. This ensures that our production methods not only protect the environment but also uphold **fair labor practices** and social standards.





## Technical data

<b>Type</b>	non-sterile, accelerator-free, powder-free examination glove for single use
<b>Color</b>	green
<b>Size / Overall length</b> as per EN 455-2	XS, S, M, L, XL / median 240 mm
<b>Wall thickness</b> measured in single layer in the palm area	min. 0.05 mm typical 0.06 mm
<b>Barrier performance</b> as per EN 455-1	AQL 1.0
<b>Material</b>	Nitrile Butadiene Rubber (NBR)
<b>Glove surface</b>	finger textured
<b>Glove shape</b>	flat with rolled rim, ambidextrous
<b>Force at break</b> as per EN 455-2	median $\geq 6$ N
<b>Shelf life</b> in original packaging if stored according to product specification	5 years
<b>Labeling &amp; conformity to standards</b>	EN ISO 21420, EN ISO 374-1 (Type B), EN ISO 374-2, EN 16523-1, EN ISO 374-4, EN ISO 374-5, EN 455-1, EN 455-2, EN 455-3, EN 455-4, ISO 2859-1, ISO 16604

## Purpose

Single-use medical device class I as set out in MD Regulation (EU) 2017/745

Single-use protective glove – PPE category III (protection against chemical substances for limited time)\*\* as set out in PPE Regulation (EU) 2016/425

Suitable for food contact as set out in Regulation (EC) 1935/2004 on Food Contact Materials



## Packaging

Dispenser box XS, S, M, L 200 / XL 180 pieces  
10 dispenser boxes per shipping carton

## Article numbers

<b>XS</b>	200pc	3000016156
<b>S</b>	200pc	3000016157
<b>M</b>	200pc	3000016158
<b>L</b>	200pc	3000016159
<b>XL</b>	180pc	3000016160