Nitrilite®

# 93-311

Non-sterile Disposable Nitrile Cleanroom Glove

## Non-sterile, accelerator-free nitrile cleanroom gloves, compatible with Class 100 (ISO 5) environments

- **Assured cleanliness:** Nitrilite™ 93-311 non-sterile gloves are specially designed for compatibility with Class 100 (ISO 5) cleanroom environments
- **Reduced allergy risks:** These cleanroom gloves are also free from latex proteins and chemical accelerators, reducing the susceptibility to Type I or Type IV allergic reactions
- **Heightened tactility:** Thanks to their optimally thick design, these silicone-free gloves ensure high levels of tactile sensitivity, making them ideal for precision handling

### KEY FEATURES & BENEFITS

- **Class 100 (ISO 5) cleanroom compatibility:** Assured cleanliness
- **Latex-free nitrile formulation:** Type I latex allergy risks eliminated
- **No chemical accelerators:** Lower susceptibility to Type IV allergies and sensitivities

### Industries

- Biotechnology Manufacturing
- Medical Device Manufacturing
- Electronics manufacturing

### Recommended For

- Clean room cleaning and preparing
- Blending, compounding solids and liquids
- Spill or leakage cleanup
- Transferring liquids and solids
- Loading centrifuges and chromatography columns
- Assembly of parts
- Weighing and dispensing of solid and liquid raw materials

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## TECHNICAL DATA SHEET

| | Product Information |
|---|---|
| Material | Nitrile |
| Color | Natural |
| Shape | Ambidextrous |
| Cuff | Beaded |
| Manufacturing/QMS Audit Standards | ISO 9001:2015 |
| Regulatory | Category III, EN ISO 21420:2020, EN ISO 374-1:2016, EN ISO 374-5:2016, FDA21 CFR 177-2600-US Food Contact Approved, ISO 14001 |
| Packaging | 50 gloves per inner bag; 2 inner bags per master polybag; 10 master polybags per (1000 gloves) per liner bag |
| Storage | Keep away from direct sunlight; store in a dry place and keep in the original packaging. Keep away from ozone sources. If products are properly stored, as indicated, they won't lose their performances or change characteristics significantly. If products could be affected by ageing or storage, the expiry date is mentioned on the packaging materials. |
| Country of Origin | Malaysia |
| Available sizes | XS (5.5 - 6), S (6.5 - 7), M (7.5 - 8), L (8.5 - 9), XL (9.5 - 10) |
| External Glove Surface | Textured Fingers |
| Internal Glove Surface | Powder-Free, Chlorinated |
| Cleanroom Class | Class 100/ISO 5 |
| Shelf Life | 5 Years |
| Tested for use with Chemotherapy Drugs | Yes |
| Protein Level | N/A: contains no natural rubber latex |
| Anti-static | Yes EN1149 |
| Vulcanization Chemical Accelerators | • None |

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| Physical Properties | | Testing Method |
|---|---|---|
| Typical Length (mm/in) | 300 / 12 | EN ISO 21420 ASTM D3767 |
| Freedom from Holes | 2.5 AQL | EN 455-1/ASTM D3577 |
| Typical Particle Count ≥0.5µm (counts / $cm^2$) | < 2,400 particles / $cm^2$ | IEST-RP-CC005.4 |
| Target Single Wall Palm Thickness (mm/mil) | 0.11 / 4.3 | EN ISO 21420/ASTM D3767 |
| Target Single Wall Finger Thickness (mm/mil) | 0.17 / 6.7 | EN ISO 21420/ASTM D3767 |
| Target Single Wall Cuff Thickness (mm/mil) | 0.09 / 3.5 | EN ISO 21420/ASTM D3767 |

## IONIC CONTENT

| Concentration in µg/$cm^2$ | Typical | Concentration in µg/$cm^2$ | Typical |
|---|---|---|---|
| Calcium | 0.500 | Potassium | 0.050 |
| Chloride | 0.285 | Sodium | 0.038 |
| Lithium | 0.0004 | Sulphate | 0.080 |
| Magnesium | 0.050 | Zinc | 0.300 |
| Nitrate | 0.165 | | |

## ORDERING INFORMATION

| SIZE | S (6.5 - 7) | M (7.5 - 8) | L (8.5 - 9) | XL (9.5 - 10) |
|---|---|---|---|---|
| REORDER NO. | 93311070 | 93311080 | 93311090 | 93311100 |

## PERFORMANCE STANDARDS AND REGULATORY COMPLIANCE

EN ISO 374-1:2016 Type B JKT

EN ISO 374-5 VIRUS

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