

Chemical-resistant sterile nitrile cleanroom gloves, perfect for skilled handling

- **Chemical protection:** BioClean™ Emerald BENS are resistant to a range of chemicals and chemotherapy drugs (PPE Category III, EN ISO Type B, ASTM D6978)
- **Reduced allergy risk:** The gloves are powder-free, latex-free and accelerator-free minimizing allergy risks, notably Type I latex and Type IV chemical allergies and sensitivities
- **Clean processed:** BioClean™ Emerald BENS undergo deionized washing to further reduce surface particulates, ionic extractables and non-volatile residues
- **Double gloving properties:** Ideal as undergloves for double gloving requirements
- **Enhanced dexterity:** Hand specific design for ergonomic fit and better handling during skilled tasks
- **Sterility Assurance:** Gamma sterilized with sterility assurance level (SAL) of 10⁻⁶



Industries

- Biotechnology Manufacturing
- Controlled and Critical Environments
- Laboratory Research and Development
- Medical Device Manufacturing
- Pharmaceutical Manufacturing
- Production and Manufacturing

Recommended For

- Chemical Splash
- Sterile Processing Department
- Chemical Handling
- Biotechnologies Blending operations
- Transferring liquids and solids
- Sample taking and processing
- Aseptic filling and labelling

TECHNICAL DATA SHEET

| | Product Information |
|----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Material | Nitrile |
| Color | Green |
| Shape | Hand Specific |
| Cuff | Beaded |
| Manufacturing/QMS Audit Standards | Manufacturing QMS Audit Standards ISO 9001, PPE Regulation 2016 425 Module D |
| Regulatory | ASTM D6978, CE 0493, EN 421:2010, EN 455 Part 2, EN ISO 21420:2020, EN ISO 374-1:2016, EN ISO 374-5:2016, Food Contact, Category III |
| Packaging | 1 pair per inner wrap; 1 inner wrap per pouch; 10 pouches per outer bag; 20 outer bags per lined carton (200 pairs) More sustainable packaging: These sterile nitrile gloves are packed in recyclable plastic packaging* and delivered in recycled cardboard shipper cases. *Inner wrap, pouch, bag and liner are made from polyethylene (PE) based film. Always check your local recyclable status of PE as this plastic material may not be considered suitable for recycling in your country. |
| 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 | 6.0, 6.5, 7.0, 7.5, 8.0, 8.5, 9.0 |
| Powder Content | Powder-Free |
| External Glove Surface | Smooth with Micro-Textured Finish |
| Internal Glove Surface | Chlorinated |
| Sterilization Method | Gamma Irradiation |
| Sterilization Minimum Dose | 25kGy |
| Sterility Assurance Level | 10 ⁻⁶ |
| Cleanroom Class | Class 10/ISO 4 |
| Shelf Life | Five (5) years from date of manufacture. |
| Tested for use with Chemotherapy Drugs | Yes |
| Protein Level | N/A: contains no natural rubber latex |
| Anti-static | Yes |



Emerald BENS

Sterile Disposable Nitrile Cleanroom Glove

| Physical Properties | | | | | | | | Testing Method |
|--------------------------------------------------------------|---------------------|--------|--------|--------|---------|---------|---------|-----------------|
| Sizes | 6 | 6.5 | 7 | 7.5 | 8 | 8.5 | 9 | |
| Typical Length (mm/in) | 300 / 12 | | | | | | | EN ISO 21420 |
| Palm Width (mm/in) | 77/3.0 | 83/3.3 | 89/3.5 | 95/3.7 | 102/4.0 | 108/4.3 | 114/4.5 | |
| Freedom from Holes | 1.5 AQL Performance | | | | | | | EN 374-2 |
| Typical Particle Count ≥0.5µm (counts / cm ²) | <1200 | | | | | | | TEST-RP-CC005.4 |
| Target Single Wall Palm Thickness (mm/mil) | 0.11 / 4.33 | | | | | | | EN ISO 21420 |
| Target Single Wall Finger Thickness (mm/mil) | 0.15 / 5.90 | | | | | | | EN ISO 21420 |
| Target Single Wall Cuff Thickness (mm/mil) | 0.08 / 3.15 | | | | | | | EN ISO 21420 |
| Ultimate tensile strength (MPa) Before Aging | Min. 15 | | | | | | | |
| Force at Break (N) Before Aging | ≥ 6N | | | | | | | EN 455-2 |

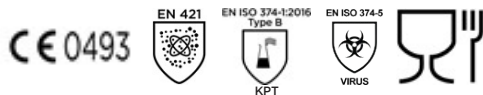
IONIC CONTENT

| Concentration in µg/cm ² | Typical | Concentration in µg/cm ² | Typical |
|-------------------------------------|-------------------|-------------------------------------|-------------------|
| Ammonium | Available On File | Nitrate | <0.25 |
| Bromide | <0.01 | Nitrite | Available On File |
| Calcium | <0.60 | Phosphate | <0.01 |
| Chloride | <0.35 | Potassium | <0.08 |
| Fluoride | <0.01 | Sodium | <0.05 |
| Lithium | <0.01 | Sulphate | <0.05 |
| Magnesium | <0.01 | Zinc | <0.10 |

ORDERING INFORMATION

| SIZE | 6 | 6.5 | 7 | 7.5 | 8 | 8.5 | 9 |
|-------------|----------|----------|----------|----------|----------|----------|----------|
| REORDER NO. | BENS-6.0 | BENS-6.5 | BENS-7.0 | BENS-7.5 | BENS-8.0 | BENS-8.5 | BENS-9.0 |

PERFORMANCE STANDARDS AND REGULATORY COMPLIANCE



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