

ULTRACLEAN ECO 245mm CLEANROOM CR100 NITRILE GLOVE



Reliable protection for clean environments

ULTRACLEAN ECO CR100 Nitrile is a clean nitrile glove with low levels of ionic content and particles - for reliable product protection. Designed for use in Class 100 / ISO 5 Cleanroom Environments.

- Compatible with Class 100 (ISO 5)
- Low levels of ionic content and particles for excellent product protection



Industries

- Biotechnology Manufacturing Medical Device
- Manufacturing Electronics Manufacturing

Recommended For

- Cleanroom 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

Great Utopian Sdn Bhd
No 17, Jalan i-Park ½
Kawasan Perindustrian i-Park, Indahpura,
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Liberty Warehouse #01-02
Singapore 787600

ULTRACLEAN ECO

245mm CLEANROOM CR100

NITRILE GLOVE



TECHNICAL DATA SHEET

Product Information

| | Nitrile Glove |
|--|---|
| Material | Acrylonitrile Butadiene Rubber |
| Color | White |
| Shape | Ambidextrous |
| Packaging | 100 gloves per double bagged inner polybag; 10 inner bags per master polybag; 10 polybags per (1000 gloves) master liner bag. |
| Storage | Keep out of direct sunlight; store in a cool and dry place. Keep away from sources of ozone origination. |
| Country of Origin | Malaysia |
| Available Sizes | XS, S, M, L, XL |
| Special Features | Single Chlorinated |
| Internal Gloves Surface | Powder-Free |
| Cleanroom Class | Class 100 / ISO 5 |
| Shelf Life | 3 years |
| Tested For Use With Chemotherapy Drugs | No |
| Protein Level | N/S: contains no natural rubber latex |
| Anti-static | Static Dissipative |

ULTRACLEAN ECO 245mm CLEANROOM CR100 NITRILE GLOVE



PHYSICAL PROPERTIES

| Sizes/Specification | Small | Medium | Large | Testing Method |
|-----------------------------|---------|---------|---------|----------------|
| Length (mm/in)(+/- 5mm) | 245/9.6 | 245/9.6 | 245/9.6 | Ruler |
| Palm Width (mm/in)(+/- 5mm) | 85/3.3 | 95/3.7 | 105/4.1 | Ruler |
| Glove Weight (gm)(+/-0.2g) | 4.0 | 4.5 | 5.0 | Weighing Scale |

| | | |
|---|-----------------------------------|----------------------|
| Freedom From Holes | 2.5 AQL | EN 455-1/ ASTM D3577 |
| Typical Particle Count ≥ 0.5µm (counts/cm ²) | < 1,200 particles/cm ² | IEST-RP-CC005.4 |
| Minimum Single Wall Finger Thickness (mm/mil)(+/- 0.02mm) | 0.12 / 4.7 mil | EN 420/ ASTM D3767 |
| Minimum Single Wall Palm Thickness (mm/mil)(+/- 0.02mm) | 0.10 / 3.9 mil | EN 420/ ASTM D3767 |
| Minimum Single Wall Cuff Thickness (mm/mil)(+/- 0.02mm) | N/A | EN 420/ ASTM D3767 |

| | Standard | Before Ageing | After Ageing |
|------------------------|------------|---------------|--------------|
| Force at Break (N) | EN 455-2 | 6N min | 6N min |
| Tensile Strength (MPa) | ASTM D6319 | Min. 14 MPa | Min. 14 MPa |
| Elongation (%) | ASTM D6319 | 500% | 400% |

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DISPOSABLE NITRILE CLEANROOM GLOVES TECHNICAL DATA SHEET

| Parameter | Class 100 / ISO 5 |
|-----------------------|---------------------------|
| Chloride, Cl^- | < 1.20ug/cm ² |
| Nitrate, NO_3^- | < 1.00ug/cm ² |
| Sulphate, SO_4^{2-} | < 0.80ug/cm |
| Fluoride, F^- | < 0.03ug/cm ² |
| Bromide, Br | < 0.05ug/cm ² |
| Potassium, K | < 0.05ug/cm ² |
| Magnesium, Mg | < 0.004ug/cm ² |
| Sodium, Na | < 0.05ug/cm ² |
| TNVR (solvent) | < 10.0ug/cm ² |

OTHER PARAMETERS

| Parameter | Class 100 |
|------------------------------|---------------|
| Silicone, Amide, DOP by FTIR | Not Detected |
| Surface Resistivity | max 1.0x10E09 |
| Triboelectric Charge | Max 50 volts |
| Static Decay | < 0.5 Seconds |



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Page : 1 of 2
Issue Date : 20-Aug-2025
Lab Ref. No. : BC/L2508/0740-1

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No. 17 Jalan 1-Park 1/2
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Bandar Indahpura
81000 Kulai, Johor, Malaysia

CERTIFICATE OF ANALYSIS

Sample Received Date : 18-Aug-2025
Type of Sample : UltraClean ECO Nitrile Gloves 9"

RESULTS OF ANALYSIS

| Parameter(s) | Result(s) |
|--------------|--------------|
| Silicone Oil | Not Detected |
| DOP | Not Detected |
| Amides | Not Detected |

Remark(s):

Test Method Based on IEST-RP-CC005.4

ChM. Oon Leay Shee (Grace)

Chemist
B. Sc. (HONS), MMIC (M/3217/6029/11)

This Test Report is provided solely for informational purposes and is not to be construed as providing legal advice, recommendations or warranties of any kind whatsoever. The Test Report is prepared according to our standard testing requirements and based solely on the samples submitted by you. We have made every reasonable effort to ensure the accuracy and reliability of the information provided herein. However, we shall not be deemed to have warranted or guaranteed the accuracy and reliability of the results contained in the Test Report under whatsoever circumstances. Neither shall we be liable and responsible for any loss or damage of whatever nature (direct, indirect, incidental, economical, punitive and consequential) caused or alleged to be caused by or in connection with and arising out of the use of or reliance on this Test Report.



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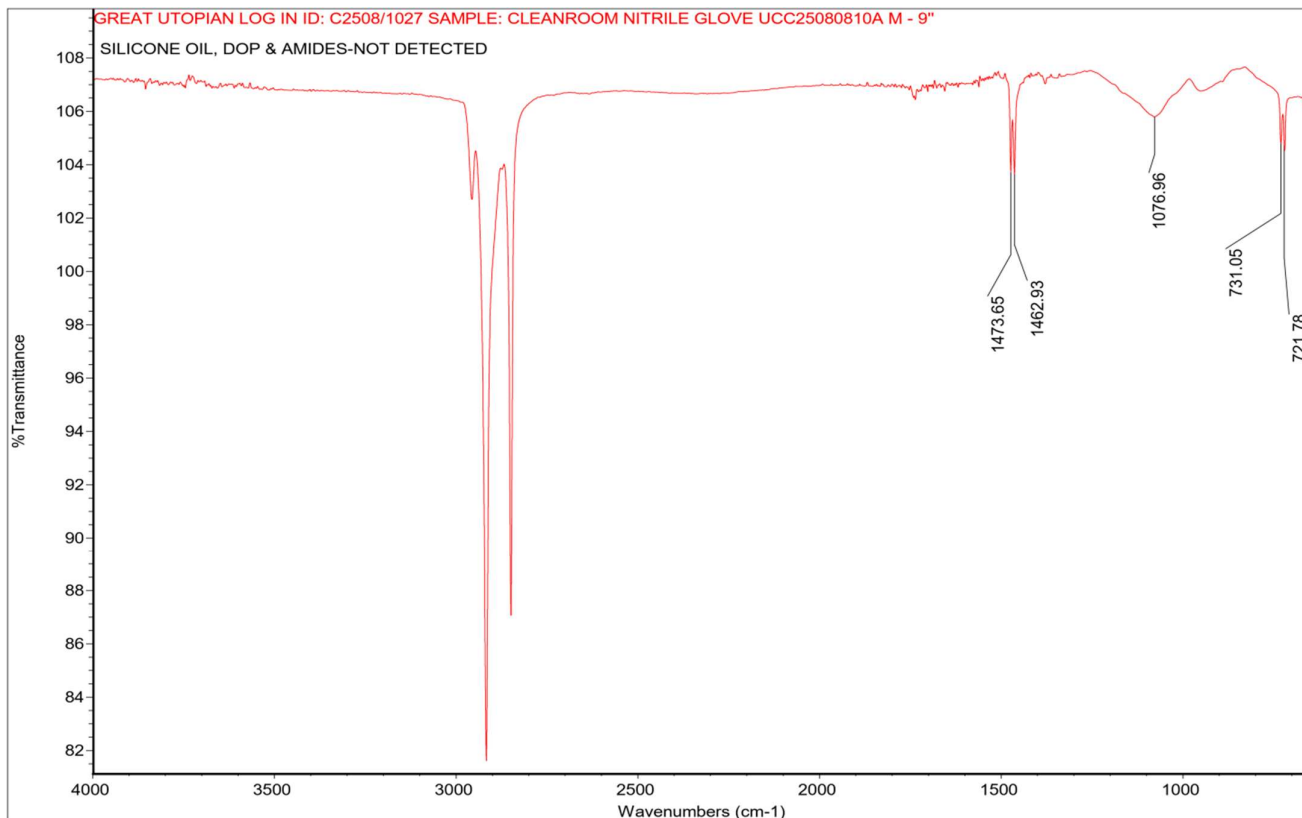
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Issue Date : 01-Oct-2025
Lab Ref. No. : BC/L2510/0026-1

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81000 Kulai, Johor, Malaysia

CERTIFICATE OF ANALYSIS

Sample Received Date : 29-Sep-2025
Type of Sample : CLEANROOM NITRILE GLOVE UCA25090310B

RESULTS OF ANALYSIS

| Parameter(s) | Unit | Result(s) |
|--------------|---------------------------|-----------|
| Fluoride | $\mu\text{g}/\text{cm}^2$ | 0.003 |
| Chloride | $\mu\text{g}/\text{cm}^2$ | 0.163 |
| Nitrite | $\mu\text{g}/\text{cm}^2$ | 0.001 |
| Bromide | $\mu\text{g}/\text{cm}^2$ | <0.001 |
| Nitrate | $\mu\text{g}/\text{cm}^2$ | 0.22 |
| Phosphate | $\mu\text{g}/\text{cm}^2$ | <0.001 |
| Sulphate | $\mu\text{g}/\text{cm}^2$ | 0.021 |
| Lithium | $\mu\text{g}/\text{cm}^2$ | <0.001 |
| Sodium | $\mu\text{g}/\text{cm}^2$ | 0.038 |
| Ammonium | $\mu\text{g}/\text{cm}^2$ | 0.002 |
| Potassium | $\mu\text{g}/\text{cm}^2$ | 0.022 |
| Magnesium | $\mu\text{g}/\text{cm}^2$ | <0.001 |
| Calcium | $\mu\text{g}/\text{cm}^2$ | 0.236 |
| Zinc | $\mu\text{g}/\text{cm}^2$ | <0.001 |

Remark(s):

Test Method Based on IEST-RP-CC005.4
Surface Area of 1 glove used for calculation: 1304 cm²

ChM. Oon Leay Shee (Grace)

Chemist

B. Sc. (HONS), MMIC (M/3217/6029/11)

- End of Report -

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Issue Date : 30-Sep-2025
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81000 Kulai, Johor, Malaysia

CERTIFICATE OF ANALYSIS

Sample Received Date : 29-Sep-2025
Type of Sample : CLEANROOM NITRILE GLOVE UCA25090310B

RESULTS OF ANALYSIS

| Parameter(s) | Unit | Samples(s) | Result(s) |
|--|---------------------------|------------|-----------|
| Liquid Particle Count ($\geq 0.5 \mu\text{m}$) | particles/cm ² | Data 1 | 838 |
| | | Data 2 | 842 |
| | | Data 3 | 822 |
| | | Average | 834 |

Remark(s):

Test Method Based on IEST-RP-CC005.4
Surface Area of 1 glove used for calculation: 1304 cm²

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