

## Consistent cleanliness for controlled environments (Class 10)

Hand protection with consistent cleanliness and comprehensive compliance to ASTM and IEST standards to meet the demands of controlled environments.

- Provides superb aesthetics, dexterity, tactile sense, fit, feel and comfort
- Manufactured in a totally integrated facility certified to ISO 9001 standards
- Washed in microprocessor controlled, two-in-one, washer/dryer laundering system to provide very low surface particulates, ionic extractables and non-volatile residues



Caution: Components used in making these gloves may cause allergic reactions in some users. Follow your institution's policies for use.

\*Tested in accordance to IEST-RP-CC-005.3

\*\*Tested in accordance to FTMS 101-C, 4046

## KEY FEATURES & BENEFITS

### Industries

- Pharmaceutical Manufacturing
- 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



## TECHNICAL DATA SHEET

|                                | Product Information                                                                                                                |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| Material                       | Nitrile                                                                                                                            |
| Color                          | White                                                                                                                              |
| Shape                          | Ambidextrous                                                                                                                       |
| Cuff                           | Beaded                                                                                                                             |
| Regulatory/Standard Compliance | EN 420:2003 + A1:2009                                                                                                              |
| Packaging                      | 10 polybags per 1 master bag; 1 master polybag per case; 100 gloves per double polybag (XS-XL); 90 gloves per double polybag (XXL) |
| Available sizes                | XS (5.5 - 6), S (6.5 - 7), M (7.5 - 8), L (8.5 - 9), XL (9.5 - 10)                                                                 |
| Powder Content                 | Powder-Free                                                                                                                        |
| Internal Glove Surface         | Powder-Free                                                                                                                        |
| Cleanroom Class                | Class 10/ISO 4                                                                                                                     |
| Protein Level                  | N/A: contains no natural rubber latex                                                                                              |
| Anti-static                    | Yes                                                                                                                                |

| Physical Properties                                                    |                                      | Testing Method      |
|------------------------------------------------------------------------|--------------------------------------|---------------------|
| Typical Length (mm/in)                                                 | 300 / 12                             | EN 420/ASTM D3767   |
| Freedom from Holes                                                     | 2.5 AQL                              | EN 455-1/ASTM D3577 |
| Typical Particle Count $\geq 0.5\mu\text{m}$ (counts / $\text{cm}^2$ ) | < 1500 particle count/ $\text{cm}^2$ | IEST-RP-CC005.4     |
| Target Single Wall Palm Thickness (mm/mil)                             | 0.10 / 3.9                           | EN 420/ASTM D3767   |
| Target Single Wall Finger Thickness (mm/mil)                           | 0.12 / 4.7                           | EN 420/ASTM D3767   |
| Ultimate tensile strength (MPa) Before Aging                           | 30                                   | ASTM D412-06a       |
| Ultimate tensile strength (MPa) During Aging                           | 32                                   | ASTM D412-06a       |

### IONIC CONTENT

| Concentration in $\mu\text{g}/\text{cm}^2$ | Typical | Concentration in $\mu\text{g}/\text{cm}^2$ | Typical |
|--------------------------------------------|---------|--------------------------------------------|---------|
| Ammonium                                   | <0.20   | Nitrite                                    | <0.01   |
| Bromide                                    | <0.05   | Phosphate                                  | <0.20   |
| Calcium                                    | <0.80   | Potassium                                  | <0.10   |
| Fluoride                                   | <0.01   | Sodium                                     | <0.05   |
| Magnesium                                  | <0.20   | Sulphate                                   | <0.20   |
| Nitrate                                    | <0.40   |                                            |         |

### ORDERING INFORMATION

| SIZE        | XS (5.5 - 6) | S (6.5 - 7) | M (7.5 - 8) | L (8.5 - 9) | XL (9.5 - 10) |
|-------------|--------------|-------------|-------------|-------------|---------------|
| REORDER NO. | CE4-313-XS   | CE4-313-S   | CE4-313-M   | CE4-313-L   | CE4-313-XL    |

### PERFORMANCE STANDARDS AND REGULATORY COMPLIANCE

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