

**PRODUCT**

# HALYARD **PUREZERO** HG3 Blue Sterile Nitrile Gloves

## TECHNICAL DATASHEET



**DESCRIPTION**

HALYARD **PUREZERO** HG3 Blue Sterile Nitrile Cleanroom Gloves are designed for critical cleanroom environments such as pharmaceutical and biotechnology cleanroom manufacturing as well as sterile compounding cleanroom applications. These hand specific gloves are clean processed (washed repeatedly in deionized water) to ensure consistent control of low particles, extractables and endotoxin levels, and are recommended for use in ISO Class 3 or higher and Grade A/B/C/D cleanrooms. Because HALYARD **PUREZERO** HG3 Blue Sterile Nitrile Cleanroom Gloves are made with an accelerator-free<sup>1</sup> nitrile polymer, there is a reduced risk of allergies and skin irritation associated with accelerator chemicals in other nitrile gloves.

**FEATURES**

- Textured Fingertips and Palms
- Smooth Grip
- Hand Specific
- 12" Length
- AQL: 1.0
- ISO: Class 3

**CE 2797**  
(PPE Cat. III)

ISO 374-5:2016



VIRUS

ISO 374-1:2016/Type C



K-Low Chemical



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## CLEANLINESS PROPERTIES

| MAX PARTICLE COUNT               | >0.5µm / cm2<br><950 | IEST<br>RP-CC005 |
|----------------------------------|----------------------|------------------|
| MAX ENDOTOXIN LEVEL              | <20 EU               |                  |
| IONIC CONTENT (EXTRACTABLE IONS) | MAX LEVEL (µg/g)     | IEST RP-CC005    |
| Calcium                          | 50                   | -                |
| Chloride                         | 35                   | -                |
| Magnesium                        | 5                    | -                |
| Nitrate                          | 20                   | -                |
| Potassium                        | 5                    | -                |
| Sodium                           | 10                   | -                |
| Sulfate                          | 10                   | -                |
| Zinc                             | 25                   | -                |
| Ammonium                         | 5                    | -                |

## PHYSICAL PROPERTIES

| PROPERTIES                             | RESULTS          |
|----------------------------------------|------------------|
| AQL                                    | 1.0              |
| Sterile                                | ✓                |
| Hand Specific Pairs                    | ✓                |
| Smooth Grip                            | ✓                |
| Textured Fingertips and Palms          | ✓                |
| Accelerator-Free <sup>1</sup>          | ✓                |
| Low Dermatitis Potential               | ✓                |
| Latex-Free                             | ✓                |
| Powder-Free                            | ✓                |
| Silicone-Free                          | ✓                |
| Static Dissipative in Use <sup>2</sup> | ✓                |
| Tensile Strength <sup>3</sup>          | 20 MPa (Target)  |
| Ultimate Elongation <sup>3</sup>       | 600%             |
| Sterility Assurance Level (SAL)        | 10 <sup>-6</sup> |
| Shelf Life                             | 5 Years          |

## GLOVE DIMENSIONS

| PROPERTIES                | 6.0                   | 6.5                   | 7.0                   | 7.5                   | 8.0                   | 8.5                   | 9.0                   | 10.0                  |
|---------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Glove Length (inch/cm)    | 12"/30.5              | 12"/30.5              | 12"/30.5              | 12"/30.5              | 12"/30.5              | 12"/30.5              | 12"/30.5              | 12"/30.5              |
| Middle Finger Length (mm) | 73.2                  | 76.9                  | 81.2                  | 85.3                  | 87.3                  | 91.7                  | 93.7                  | 97.8                  |
| Width of Palm (mm)        | 80                    | 87                    | 94                    | 98                    | 109                   | 114                   | 120                   | 128                   |
| Fingertip Thickness       | 0.10 mm<br>(4 mil)    | 0.10 mm<br>(4 mil)    | 0.10 mm<br>(4 mil)    | 0.10 mm<br>(4 mil)    | 0.10 mm<br>(4 mil)    | 0.10 mm<br>(4 mil)    | 0.10 mm<br>(4 mil)    | 0.10 mm<br>(4 mil)    |
| Palm Thickness            | 0.08 mm<br>(3.1 mil)  | 0.08 mm<br>(3.1 mil)  | 0.08 mm<br>(3.1 mil)  | 0.08 mm<br>(3.1 mil)  | 0.08 mm<br>(3.1 mil)  | 0.08 mm<br>(3.1 mil)  | 0.08 mm<br>(3.1 mil)  | 0.08 mm<br>(3.1 mil)  |
| Cuff Thickness            | 0.07 mm<br>(2.75 mil) | 0.07 mm<br>(2.75 mil) | 0.07 mm<br>(2.75 mil) | 0.07 mm<br>(2.75 mil) | 0.07 mm<br>(2.75 mil) | 0.07 mm<br>(2.75 mil) | 0.07 mm<br>(2.75 mil) | 0.07 mm<br>(2.75 mil) |

1 Not formulated with these commonly used vulcanizing chemicals: Sulfur, Thiurams, Thioxoles, Guanidines and Carbamates.

2 Tested against ANSI SP 15.1 and EN 1149 (Protective Clothing - electrostatic properties)

3 Tested per ASTM D6319, EN 455-2

This fact sheet has been created using the most recent information. In the interest of continuous improvement, the characteristics of the products may change without prior notice.

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## QUALITY & REGULATORY STANDARDS

| COMPLIANCE                                             | STANDARD                                                               |
|--------------------------------------------------------|------------------------------------------------------------------------|
| Compliant to these regulatory standards:               | ISO 9001                                                               |
|                                                        | ISO 13485                                                              |
| Compliance to REGULATION (EU) 2017/745                 |                                                                        |
| Compliant to these food handling regulatory standards: | FDA 21 CFR 177-2600                                                    |
|                                                        | Commission Regulation (EU) No 10/2011                                  |
|                                                        | Japan Food Sanitation Act                                              |
|                                                        | FDA 21 CFR part 820 accreditation                                      |
|                                                        | CE 2797 PPE Category III according to Regulation (EU) 2016/425 EEC     |
|                                                        | EN ISO 374-5:2016 Virus Protection                                     |
|                                                        | EN ISO 374-1:2016/Type C K-Low Chemical Protection                     |
| Compliant with the REACH regulation                    | EN 420:2003 +A1:2009                                                   |
|                                                        |                                                                        |
| Static Dissipative in Use                              | Tested per ANSI/ ESD SP 15.1                                           |
|                                                        | Tested against EN 1149: Protective Clothing - Electrostatic Properties |

## PRODUCTS

| PRODUCT CODE | DESCRIPTION                                     | SIZE | CASE QTY.                                 |
|--------------|-------------------------------------------------|------|-------------------------------------------|
| 602-4176     | <b>PUREZERO</b> HG3 Blue Sterile Nitrile Gloves | 6.0  | 2 pcs/pouch   30 pouches/pk   10 pks/case |
| 602-4177     | <b>PUREZERO</b> HG3 Blue Sterile Nitrile Gloves | 6.5  | 2 pcs/pouch   30 pouches/pk   10 pks/case |
| 602-4178     | <b>PUREZERO</b> HG3 Blue Sterile Nitrile Gloves | 7.0  | 2 pcs/pouch   30 pouches/pk   10 pks/case |
| 602-4179     | <b>PUREZERO</b> HG3 Blue Sterile Nitrile Gloves | 7.5  | 2 pcs/pouch   30 pouches/pk   10 pks/case |
| 602-4180     | <b>PUREZERO</b> HG3 Blue Sterile Nitrile Gloves | 8.0  | 2 pcs/pouch   30 pouches/pk   10 pks/case |
| 602-4181     | <b>PUREZERO</b> HG3 Blue Sterile Nitrile Gloves | 8.5  | 2 pcs/pouch   30 pouches/pk   10 pks/case |
| 602-4182     | <b>PUREZERO</b> HG3 Blue Sterile Nitrile Gloves | 9.0  | 2 pcs/pouch   30 pouches/pk   10 pks/case |
| 602-4183     | <b>PUREZERO</b> HG3 Blue Sterile Nitrile Gloves | 10.0 | 2 pcs/pouch   30 pouches/pk   10 pks/case |

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