

**PUREZERO\***

Cleanroom Nitrile Gloves



**MANAGE YOUR CLEANROOM RISKS  
WITH NEW HALYARD\* PUREZERO\*  
NITRILE GLOVES**



**PUREZERO\***

## Cleanroom Nitrile Gloves

Because you're responsible for managing risks in your cleanroom operation, choosing the right cleanroom glove is critical.

Your gloves have a big job to do, protecting your workers as well as your product and your process. Plus you need a reliable supply to avoid operations disruption. That's why we created HALYARD\* **PUREZERO\*** Cleanroom Gloves.

**PUREZERO\*** Cleanroom Gloves are ideal for applications that involve handling delicate equipment in microelectronics, semiconductors, optics, pharmaceutical and medical device manufacturing applications. In fact, they are specifically designed to meet the stringent requirements of cleanroom environments.

New **PUREZERO\*** Gloves are designed to exact standards, to help you:

- manage the risks associated with user comfort and protection
- manage product contamination
- manage supply chain resiliency



# PUREZERO\*

## Cleanroom Nitrile Gloves

### THE RISK: USER COMFORT AND PROTECTION

**The accelerator-free<sup>1</sup> formulation of PUREZERO\* Cleanroom Nitrile Gloves is the solution.** It reduces the risk of allergies and skin irritation associated with accelerator chemicals in other nitrile gloves. As a result, **PUREZERO\*** Gloves are comfortable to wear, allowing workers to focus on their delicate tasks rather than their gloves.

**PUREZERO\*** Cleanroom Nitrile Gloves are designed to protect workers with effective barrier protection against chemical splash, micro-organisms and viruses.

Our gloves are PPE Category III certified according to the following standards:

EN ISO 374-5:2016 Micro-organism and Virus Protection

EN ISO 374-1:2016/Type C K-Low Chemical Splash Protection

EN 420:2003 +A1:2009 General Requirements for Protective Gloves

EN ISO 374-4 Resistance to Degradation by Chemicals

### THE RISK: PRODUCT CONTAMINATION

**The solution is the consistent quality of PUREZERO\* Cleanroom Gloves, ensuring low particle and endotoxin levels.** HALYARD\* **PUREZERO\*** Gloves are manufactured and packaged at our ISO 9001 facility in state-of-the-art cleanrooms and are **recommended for ISO Class 3 or higher and Grade A/B/C/D cleanrooms.** Our gloves are clean processed (washed repeatedly in deionized water) to ensure consistent control of low particles, extractables and endotoxin levels.

- Low Particle Levels (max 950 > 0.5µm/cm<sup>2</sup> for white gloves, max 1200 > 0.5 5µm/cm<sup>2</sup> for blue gloves)
- Sterility Assurance Levels (SAL) of 10<sup>-6</sup> and an endotoxin level of 20 units/pair maximum
- AQL of 1.0 for pinholes
- Static dissipative in use<sup>2</sup>
- Double bagged plus case liner

You can rely on consistent quality, with Certificates of Analysis (CoA), and Certificates of Irradiation (CoI) easily accessible online for every production lot. You can also find the Declaration of Conformity (DoC) documents showing compliance to applicable regulations and standards, all at [www.halyardhealth.com/information](http://www.halyardhealth.com/information).



**PUREZERO\***

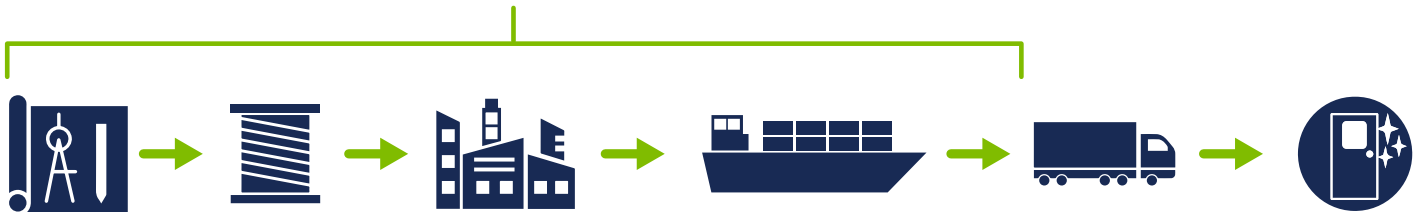
## Cleanroom Nitrile Gloves

### THE RISK: SUPPLY CHAIN RESILIENCY

**PUREZERO\* Cleanroom Gloves are the solution, ensuring reliable supply, regulatory compliance and consistent quality.**

HALYARD\* has manufactured private label cleanroom gloves for more than 20 years at our Safeskin Medical & Scientific (Thailand) Ltd. manufacturing facility, which holds ISO 9001 and ISO 13485 certifications.

We control the materials and design while adhering to strict quality standards and product specifications in our own facilities, with our own teammates. Quality and sterility assurance levels are guaranteed, with all raw materials and components traceable to their original supplier. And with our global product codes, you can use **one code/SKU from HALYARD\* globally at all of your production facilities.**



From raw materials to distribution, we have full control over our global supply chain.

### RISK-FREE CONVERSION

With our years of cleanroom glove experience, HALYARD\* can provide all the support you need to easily convert from your current glove to new **PUREZERO\*** Cleanroom Gloves, including:

- **Technical documentation**
- **Validation data**
- **Product knowledge and expertise**

We also have the manufacturing capacity to assure you a reliable glove supply going forward.

To trial HALYARD\* **PUREZERO\*** Cleanroom Gloves, contact your Cleanroom Distributor today, or email us at [info@hyh.com](mailto:info@hyh.com).



# PUREZERO\*

## Cleanroom Nitrile Gloves

# NEW PUREZERO\* CLEANROOM GLOVE PORTFOLIO

HALYARD\* offers an accelerator-free<sup>1</sup> portfolio of three non-sterile and two sterile cleanroom gloves to address the needs of pharmaceutical, medical device, microelectronics and semi-conductor manufacturing industries.

### NON-STERILE

## HALYARD\* PUREZERO\* HG3 WHITE NITRILE GLOVES

Recommended for use in ISO Class 3 or higher and Grade A/B/C/D cleanrooms. **PUREZERO\*** HG3 White Nitrile Cleanroom Gloves are non-sterile, ambidextrous, and 12 inches long with a high tack/grip surface and feature a beaded cuff to aid in donning and help prevent roll down.



### Physical Properties

|  |                 |
|--|-----------------|
| AQL                                    | 1.0             |
| Non-Sterile                            | ✓               |
| Ambidextrous                           | ✓               |
| Tacky Grip                             | ✓               |
| Textured Fingertips                    | ✓               |
| Accelerator-Free <sup>1</sup>          | ✓               |
| Static Dissipative in Use <sup>2</sup> | ✓               |
| Low Dermatitis Potential               | ✓               |
| Latex-Free                             | ✓               |
| Powder-Free                            | ✓               |
| Silicone-Free                          | ✓               |
| Tensile Strength <sup>3</sup>          | 20 MPa (Target) |
| Ultimate Elongation <sup>3</sup>       | 600%            |
| Shelf Life                             | 5 Years         |

### Cleanliness Properties

|                                  |                               |               |
|----------------------------------|-------------------------------|---------------|
| Max Particle Count               | >0.5µm / cm <sup>2</sup> <950 | IEST RP-CC005 |
| 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                             |               |

For use in ISO Class 3 or higher, Grade A/B/C/D

**TACKY GRIP  
TEXTURED FINGERTIPS**

### Ordering Information

| Size | Code      |
|------|-----------|
| XS   | CLN3031XS |
| SM   | CLN3031SM |
| MD   | CLN3031MD |
| LG   | CLN3031LG |
| XL   | CLN3031XL |

## HALYARD\* PUREZERO\* HG3 LIGHT BLUE NITRILE GLOVES

Recommended for use in ISO Class 3 or higher and Grade A/B/C/D cleanrooms. **PUREZERO\*** HG3 Light Blue Nitrile Cleanroom Gloves are non-sterile, ambidextrous, and 12 inches long with a high tack/grip surface and feature a beaded cuff to aid in donning and help prevent roll down.



### Physical Properties

|  |                 |
|--|-----------------|
| AQL                                    | 1.0             |
| Non-Sterile                            | ✓               |
| Ambidextrous                           | ✓               |
| Tacky Grip                             | ✓               |
| Textured Fingertips                    | ✓               |
| Accelerator-Free <sup>1</sup>          | ✓               |
| Static Dissipative in Use <sup>2</sup> | ✓               |
| Low Dermatitis Potential               | ✓               |
| Latex-Free                             | ✓               |
| Powder-Free                            | ✓               |
| Silicone-Free                          | ✓               |
| Tensile Strength <sup>3</sup>          | 20 MPa (Target) |
| Ultimate Elongation <sup>3</sup>       | 600%            |
| Shelf Life                             | 5 Years         |

### Cleanliness Properties

|                                  |                                |               |
|----------------------------------|--------------------------------|---------------|
| Max Particle Count               | >0.5µm / cm <sup>2</sup> <1200 | IEST RP-CC005 |
| 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                              |               |

ISO Class 3 or higher, Grade A/B/C/D

**TACKY GRIP  
TEXTURED FINGERTIPS**

### Ordering Information

| Size | Code      |
|------|-----------|
| XS   | CLN9031XS |
| SM   | CLN9031SM |
| MD   | CLN9031MD |
| LG   | CLN9031LG |
| XL   | CLN9031XL |

# PUREZERO\*

## Cleanroom Nitrile Gloves

NON-STERILE (Continued)

### HALYARD\* PUREZERO\* HG3 SMOOTH WHITE NITRILE GLOVES

Recommended for use in ISO Class 3 or higher and Grade A/B/C/D cleanrooms. PUREZERO\* HG3 SMOOTH White Nitrile Cleanroom Gloves are non-sterile, ambidextrous, and 12 inches long with a smooth grip and feature a beaded cuff to aid in donning and help prevent roll down.



#### Physical Properties

|  |                 |
|--|-----------------|
| AQL                                    | 1.0             |
| Non-Sterile                            | ✓               |
| Ambidextrous                           | ✓               |
| Smooth Grip                            | ✓               |
| Textured Fingertips                    | ✓               |
| Accelerator-Free <sup>1</sup>          | ✓               |
| Static Dissipative in Use <sup>2</sup> | ✓               |
| Low Dermatitis Potential               | ✓               |
| Latex-Free                             | ✓               |
| Powder-Free                            | ✓               |
| Silicone-Free                          | ✓               |
| Tensile Strength <sup>3</sup>          | 20 MPa (Target) |
| Ultimate Elongation <sup>3</sup>       | 600%            |
| Shelf Life                             | 5 Years         |

#### Cleanliness Properties

|                                  |                               |               |
|----------------------------------|-------------------------------|---------------|
| Max Particle Count               | >0.5µm / cm <sup>2</sup> <950 | IEST RP-CC005 |
| 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                             |               |

For use in ISO Class 3 or higher, Grade A/B/C/D

**SMOOTH GRIP  
TEXTURED FINGERTIPS**

#### Ordering Information

| Size | Code      |
|------|-----------|
| XS   | CLN3231XS |
| SM   | CLN3231SM |
| MD   | CLN3231MD |
| LG   | CLN3231LG |
| XL   | CLN3231XL |



# PUREZERO\*

## Cleanroom Nitrile Gloves

### STERILE

### HALYARD\* PUREZERO\* HG3 LIGHT BLUE STERILE NITRILE GLOVES

Recommended for use in ISO Class 3 or higher and Grade A/B/C/D cleanrooms. **PUREZERO\*** HG3 Light Blue Sterile Nitrile Cleanroom Gloves have a hand specific shape, 4-mil fingertip thickness, 12-inch length with a smooth grip, and a beaded cuff to aid in donning and help prevent roll down.



#### Physical Properties

|  |                  |
|--|------------------|
| AQL                                    | 1.0              |
| Sterile                                | ✓                |
| Hand Specific Pairs                    | ✓                |
| Smooth Grip                            | ✓                |
| Textured Fingertips and Palms          | ✓                |
| Accelerator-Free <sup>1</sup>          | ✓                |
| Static Dissipative in Use <sup>2</sup> | ✓                |
| Low Dermatitis Potential               | ✓                |
| Latex-Free                             | ✓                |
| Powder-Free                            | ✓                |
| Silicone-Free                          | ✓                |
| 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          |

#### Cleanliness Properties

|                                  |                          |               |               |
|----------------------------------|--------------------------|---------------|---------------|
| Max Particle Count               | >0.5µm / cm <sup>2</sup> | <1200         | IEST 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                        |               |               |

For use in ISO Class 3 or higher, Grade A/B/C/D

**SMOOTH GRIP  
TEXTURED FINGERTIPS  
AND PALMS  
SAL 10<sup>-6</sup>**

#### Ordering Information

| Size | Code      |
|------|-----------|
| 6.0  | CLN923260 |
| 6.5  | CLN923265 |
| 7.0  | CLN923270 |
| 7.5  | CLN923275 |
| 8.0  | CLN923280 |
| 8.5  | CLN923285 |
| 9.0  | CLN923290 |
| 10.0 | CLN923210 |

### HALYARD\* PUREZERO\* HG3 WHITE STERILE NITRILE GLOVES

Recommended for use in ISO Class 3 or higher and Grade A/B/C/D cleanrooms. **PUREZERO\*** HG3 White Sterile Nitrile Cleanroom Gloves have a hand specific shape, 6-mil fingertip thickness, 12-inch length with a smooth grip, and beaded cuff to aid in donning and help prevent roll down.



#### Physical Properties

|  |                  |
|--|------------------|
| AQL                                    | 1.0              |
| Sterile                                | ✓                |
| Hand Specific Pairs                    | ✓                |
| Smooth Grip                            | ✓                |
| Textured Fingertips and Palms          | ✓                |
| Accelerator-Free <sup>1</sup>          | ✓                |
| Static Dissipative in Use <sup>2</sup> | ✓                |
| Low Dermatitis Potential               | ✓                |
| Latex-Free                             | ✓                |
| Powder-Free                            | ✓                |
| Silicone-Free                          | ✓                |
| 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          |

#### Cleanliness Properties

|                                  |                          |               |               |
|----------------------------------|--------------------------|---------------|---------------|
| Max Particle Count               | >0.5µm / cm <sup>2</sup> | <950          | IEST 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                        |               |               |


For use in ISO Class 3 or higher, Grade A/B/C/D

**SMOOTH GRIP  
TEXTURED FINGERTIPS  
AND PALMS  
SAL 10<sup>-6</sup>**

#### Ordering Information

| Size | Code      |
|------|-----------|
| 6.0  | CLN323260 |
| 6.5  | CLN323265 |
| 7.0  | CLN323270 |
| 7.5  | CLN323275 |
| 8.0  | CLN323280 |
| 8.5  | CLN323285 |
| 9.0  | CLN323290 |
| 10.0 | CLN323210 |

# GLOVE SELECTION GUIDE

|                                  | Description  | Designed for  | Max Particle Count | ISO Class  | Finish                  | Fingertips                              | Double Donning  | Size Range  | Fingertip Thickness | Case Count                 |
|----------------------------------|--|---|--------------------|--|-------------------------|---|---|---|---------------------|----------------------------|
| NON-STERILE                      | HALYARD* PUREZERO* HG3 White Nitrile Gloves              | Semiconductor, Pharmaceutical, Medical Device Manufacturing   | <950               | ISO Class 3 or higher and Grade A/B/C/D cleanrooms | Tacky Grip              | Textured Fingertips                     | Recommended for Outer Glove   | XS-XL   | .16mm (6 mil)       | 1000/cs Ambidextrous       |
|                                  | HALYARD* PUREZERO* HG3 Light Blue Nitrile Gloves         | Semiconductor, Pharmaceutical, Medical Device Manufacturing   | <1200              | ISO Class 3 or higher and Grade A/B/C/D cleanrooms | Tacky Grip              | Textured Fingertips                     | Recommended for Outer Glove   | XS-XL   | .10mm (4 mil)       | 1500/cs Ambidextrous       |
|                                  | HALYARD* PUREZERO* HG3 SMOOTH White Nitrile Gloves       | Semiconductor, Pharmaceutical, Medical Device Manufacturing   | <950               | ISO Class 3 or higher and Grade A/B/C/D cleanrooms | Smooth Grip             | Textured Fingertips                     | Outer or Under  | XS-XL   | .16mm (6 mil)       | 1000/cs Ambidextrous       |
| STERILE                          | HALYARD* PUREZERO* HG3 Light Blue Sterile Nitrile Gloves | Pharmaceutical, Biotechnology, Sterile Compounding, Aseptic Processing  | <1200              | ISO Class 3 or higher and Grade A/B/C/D cleanrooms | Smooth Grip             | Textured Fingertips and Palms           | Outer or Under  | 6.0<br>6.5<br>7.0<br>7.5<br>8.0<br>8.5<br>9.0<br>10.0 | .10mm (4 mil)       | 300 pairs/cs Hand Specific |
|                                  | HALYARD* PUREZERO* HG3 White Sterile Nitrile Gloves      | Pharmaceutical, Biotechnology, Sterile Compounding, Aseptic Processing  | <950               | ISO Class 3 or higher and Grade A/B/C/D cleanrooms | Smooth Grip             | Textured Fingertips and Palms           | Outer or Under  | 6.0<br>6.5<br>7.0<br>7.5<br>8.0<br>8.5<br>9.0<br>10.0 | .16mm (6 mil)       | 200 pairs/cs Hand Specific |
| Applies to all PUREZERO* Gloves: |  | Accelerator-Free <sup>1</sup> Static Dissipative in Use <sup>2</sup><br>Low Dermatitis Potential<br>Compliant with the REACH regulation | AQL 1.0            | CE 2797<br>(PPE Cat. III)                          | ISO 374-5:2016<br>VIRUS | ISO 374-1:2016/Type C<br>K-Low Chemical |  |   |                     |                            |

For more information or samples, contact your distributor or visit: [www.purezerogloves.com](http://www.purezerogloves.com)



HALYARD\* is an Owens & Minor brand

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

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

<sup>3</sup> Tested per ASTM D6319, EN 455-2

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