

### Empfohlene Reinraumklassen

ISO 5|6|7|8|9
GMP C|D



# Halyard Nitril-Handschuhe PUREZERO HG5 weiß #CLN30512LG

pure<sup>11</sup>-Nr.: 1130172, Marke: Halyard

### Eigenschaften

Marke: Halyard

Handschuhtyp: Dünnfilm

Länge in cm: 30,5 cm

• Chemikalienbeständigkeit - Typ: Typ B

Puderfrei

Material: Nitril

Texturierte Fingerspitzen

Zytostatikageeignet

Lebensmittelkonformität

Silikonfrei

Vulkanisationsbeschleunigerfrei

Verpackungsform: Beutel

Antistatisch

• AQL (Acceptable Quality Level)-Wert: 1

• Chemikalienbeständig gegen Isopropanol (100%): Level 3 (60-120min)

• Chemikalienbeständig gegen Isopropanol (70%): Level 4 (120-240min)

• Länge in Inches: 12 In

Latexfrei

• Materialzusammensetzung: Reinmaterial



- Oberflächenbeschaffenheit: griffig
- Passform Hand: beidhändig
- Viren-/Mikroorganismenschutz EN ISO 374-5:2016
- Wandstärke Mittelfinger in mm: 0,1 mm

#### Material

Nitril

### Verpackung

• 1000STK

### **Produktvarianten**

pure<sup>11</sup>-Nr.: 1130172WHL, Halyard Nitril-Handschuhe PUREZERO HG5 weiß #CLN30512LG

Farbe: Weiß; Größe: L / VE: 1000STK

pure<sup>11</sup>-Nr.: 1130172WHM, Halyard Nitril-Handschuhe PUREZERO HG5 weiß #CLN30512MD

Farbe: Weiß; Größe: M / VE: 1000STK

pure<sup>11</sup>-Nr.: 1130172WHS, Halyard Nitril-Handschuhe PUREZERO HG5 weiß #CLN30512SM

Farbe: Weiß; Größe: S / VE: 1000STK

pure<sup>11</sup>-Nr.: 1130172WHXL, Halyard Nitril-Handschuhe PUREZERO HG5 weiß #CLN30512XL

Farbe: Weiß; Größe: XL / VE: 1000STK

pure<sup>11</sup>-Nr.: 1130172WHXS, Halyard Nitril-Handschuhe PUREZERO HG5 weiß #CLN30512XS

Farbe: Weiß; Größe: XS / VE: 1000STK

pure<sup>11</sup> GmbH | Bavariafilmplatz 7 | D-82031 Grünwald



# HALYARD\* **PURE**ZERO\* HG5 WHITE NITRILE CLEANROOM GLOVES

### DATA PACK



# HALYARD\* **PURE**ZERO\* HG5 WHITE NITRILE CLEANROOM GLOVES

All documents depicted here are FOR EXAMPLE ONLY. For specific documents related to lot numbers, please visit **www.halyardhealth.com/information**, or ask your Distributor or HALYARD\* Representative.

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# TECHNICAL DATA SHEET





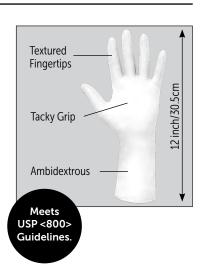
### HALYARD\* **PURE**ZERO\* HG5 WHITE NITRILE GLOVES (12")

For the Cleanroom Environment For Industrial Use Only

# TECHNICAL DATA SHEET

### **Description**

HALYARD\* **PURE**ZERO\* HG5 White Nitrile Cleanroom Gloves are 12" long and are designed for semiconductor, pharmaceutical and medical device manufacturing applications. These gloves are clean processed (washed repeatedly in deionized water) to ensure consistent control of low particles and extractables and are recommended for use in ISO Class 5 or higher and Grade B/C/D cleanrooms. Because HALYARD\* **PURE**ZERO\* HG5 White Nitrile Cleanroom Gloves have an **accelerator-free**¹ formulation, there is a reduced risk of allergies and skin irritation associated with accelerator chemicals in other nitrile gloves.



### **Cleanliness Properties**

Max Particle Count (>0.5 µm) <1500 Particles/cm<sup>2</sup> IEST RP-CC005



### **Physical Properties**

AQL	1.0
Non-Sterile	✓
Ambidextrous	✓
Tacky Grip	✓
Textured Fingertips	✓
Accelerator-Free <sup>1</sup>	✓
Latex-Free	✓
Powder-Free	✓
Silicone-Free	✓
Static Dissipative in Use <sup>2</sup>	✓
Tensile Strength	24 MPa (Target)
Ultimate Elongation	600%
Shelf Life	3 Years

### **Glove Dimensions**

	X-SMALL	SMALL	MEDIUM	LARGE	X-LARGE	XX-LARGE
Glove Length (inch/cm)	12"/30.5	12"/30.5	12"/30.5	12"/30.5	12"/30.5	12"/30.5
Middle Finger Length (mm)	71	78.5	80.5	88.1	91.6	94.8
Width of Palm (mm)	70	80	95	110	120	130
Finger Tip Thickness	0.15mm (5.9mil)					
Palm Thickness	0.13 mm (5 mil)					
Cuff Thickness	0.10 mm (4 mil)					



### HALYARD\* PUREZERO\* HG5 WHITE NITRILE GLOVES (12")

For the Cleanroom Environment For Industrial Use Only

### TECHNICAL DATA SHEET

### **Packaging Data**

XS - XL: 1000 gloves per case: 100 gloves per PE bag x10 PE bags per lined carton

2XL: 900 gloves per case: 90 gloves per PE bag x10 PE bags per lined carton Packaged in ISO Class 5 Cleanroom

### **Quality & Regulatory Standards**

Compliant to these regulatory standards:

ISO 9001

ISO 13485

Compliant to these food handling regulatory standards:

FDA 21 CFR 177-2600

FDA 21 CFR 180.22

Commission Regulation (EU) No 10/2011

PPE Category III according to Regulation (EU) 2016/425 EEC

EN 16523-1:2015+A1:2018

EN ISO 374-2:2019

EN ISO 374-4:2019

EN ISO 374-5:2016 Virus Protection

EN ISO 374-1:2016+A1:2018/ Type B

EN ISO 21420:2020 Dexterity Classification: Level 5

Compliant with the REACH regulation

Static Dissipative in Use

Tested per ANSI/ESD STM 15.1-2019

Meets USP <800> Guidelines

**C** € 2797 (PPE Cat. III)







### Additional Glove Information

Recommended for use in ISO Class 5 or higher and Grade B/C/D cleanrooms.

Declaration of Conformity (DoC) and Certificates of Analysis (COA) for every production lot available on-line at halyardhealth.com/information

### **Storage Instructions**

HALYARD\* PUREZERO\* Nitrile Gloves shall be stored in conditions where the product is kept dry (away from moisture), away from direct sunlight, away from sources of heat, and away from radioactive sources.

### **Ordering Information**

HALYARD\* PUREZERO\* HG5 WHITE NITRILE GLOVES. NON-STERILE, AMBIDEXTROUS, TACKY

Size	Code
XS	CLN30512XS
SM	CLN30512SM
MD	CLN30512MD
LG	CLN30512LG
XL	CLN30512XL
2XL	CLN305122XL

For additional information or samples, contact your local distributor.

<sup>2</sup> Tested against ANSI/ESD STM 15.1-2019
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.



<sup>1</sup> Not formulated with these commonly used vulcanizing chemicals; Sulfur, Thiurams, Thiaxoles, Guanidines

# CERTIFICATE OF ANALYSIS





Safeskin Medical & Scientific (Thailand) Ltd. 200 Moo 8 Kanchanavanich Road Tambol Prik, Amphur Sadao Songkhla 90120 Thailand

### **CERTIFICATE OF ANALYSIS**

Product Description: HALYARD\* PUREZERO\* HG5 White Nitrile Gloves

Batches: SM22442AX to SM22732AX

Catalog Numbers: CLN30512XS, CLN30512SM, CLN30512MD, CLN30512LG, CLN30512XL

OMH Code: 51745-80, 51746-80, 51747-80, 51748-80, 51749-80

Total Cases per Lot: 1,742

Date of Manufacture: Sep-22

Expiration Date: 2025-08-30

### **Physical Test Data**

		Visual	Defects		Tensile (MPa)	Elongation (%)	Median Force at Break (N)
	Watertight	Minor	Negligible	Dimensions	Pre Aging	Pre Aging	Pre Aging
Sample Size :	1950	1452	1329	233	168	168	168
AQL Level :	1.0	2.5	4.0	4.0	4.0	4.0	4.0
Failures Allowed per AQL :	23	46	68	14	9	9	9
Failures :	0	0	2	0	0	0	0
Inspection Results :	Accept	Accept	Accept	Accept	Accept	Accept	Accept
				Averages:	39.70	570	13.88

Test Methods: Water tight test: ASTM D 5151, EN 455-1, Elongation and Tensile ASTM D 412, ASTM D 6319, Median Force at Break EN 455-2, Dimension ASTM D 6319, EN 455-2

#### Particle Test Data

Total

Inspection

**Particle** 

Particles/cm<sup>2</sup>

Result

#/cm2:

1008

Accept

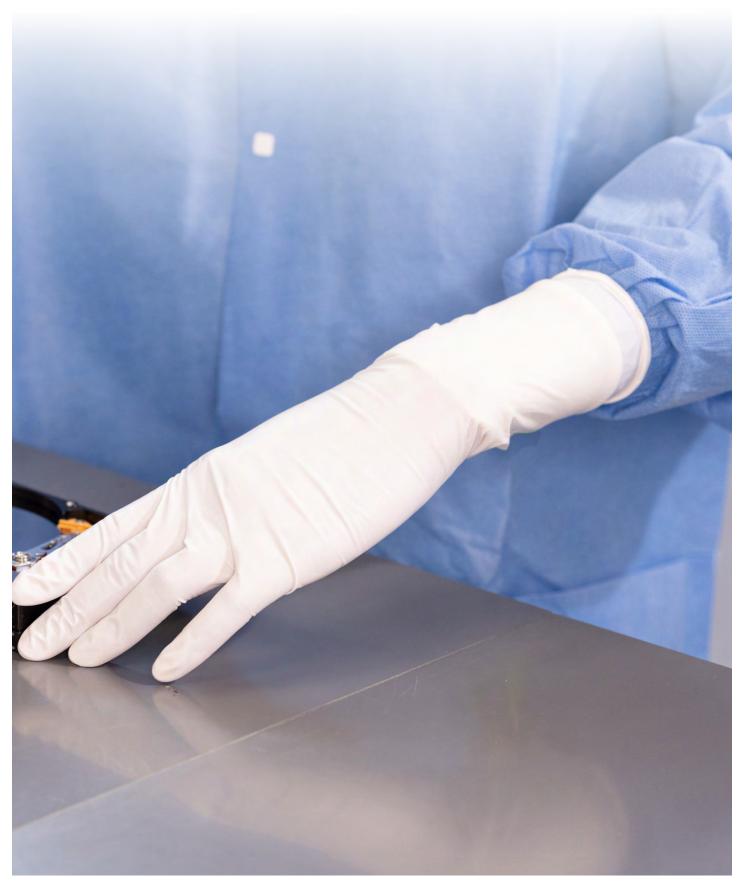
Particulate Level (≥0.5 microns) #/cm²

Test Method : IEST-RP-CC005.4

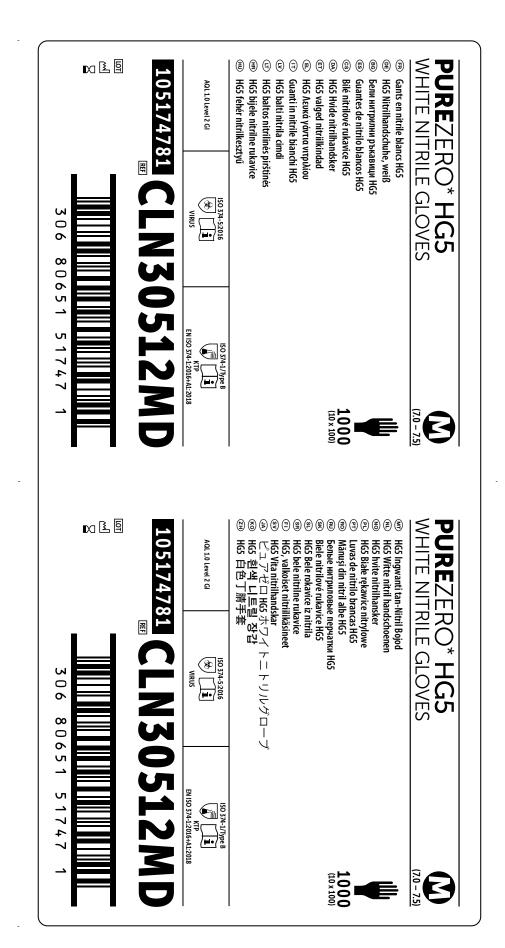
Review By: Juny An

18-065-2022 ( QA Sr. Manager )

# PACKAGE LABELS



### CASE LABEL





# **PURE**ZERO\* **HG5** WHITE NITRILE GLOVES

For the Cleanroom Environment

For Industrial Use Only 12 in. / 30.5 cm

- Gants en nitrile blancs HG5 Pour l'environnement des salles blanches Pour usage industriel uniquement Sans accélérateur • Ambidextres
- HG5 Nitrilhandschuhe, weiß Für Reinraumumgebungen Nur für den industriellen Gebrauch Beschleunigerfrei • Beidhändig
- ® Guantes de nitrilo blancos HG5 Para entornos de sala blanca Solo para uso industrial Sin aceleradores • Ambidiestro
- ## HG5 Witte nitril handschoenen Voor gebruik in kritieke schone ruimtes/cleanrooms Alleen voor industrieel gebruik Versnellervrij • Handspecifiek
- @ Luvas de nitrilo brancas HG5 Para ambiente de sala limpa Exclusivamente para utilização industrial Sem aceleradores • Ambidestras
- Белые нитриловые перчатки НG5 Для стерильных условий Только для промышленного использования Без химических присадок • Амбилекстральные
- ④ HG5ホワイトニトリルグローブ・クリーンルーム環境対応・工業用途のみ・加硫促進剤不使用・・左右兼用
- ⑩ HG5 흰색 니트릴 장갑·클린룸 환경용·산업용으로만 사용·촉진제 없음◆·양손형
- ② HG5 白色丁腈手套・适用于洁净室环境・仅限工业使用・无催化剂◆・左右手通用

#### Manufactured at our SAFESKIN\* Facility

			ACCELE	RATOR I	FREE	*				
XS (5.5) = CLN30512XS S (6.0 - 6.5) = CLN30512SM	Ambidextrous	8	NON		5	77	<del>*</del>	*	K	
M (7.0 - 7.5) = CLN30512MD L (8.0 - 8.5) = CLN30512LG XL (9.0 - 10.0) = CLN30512XL	AQL 1.0 Level 2 GI	ISO 374-5:2016 VIRUS	DOC haly	vardhealth.com/inform	ation		2797 E Cat. III)	UK CA 0086		100 🖺

Not formulated with the following vulcanizing chemicals and accelerators: Sulfur, Thiurams, Thiazoles, Guanidines, Carbamates

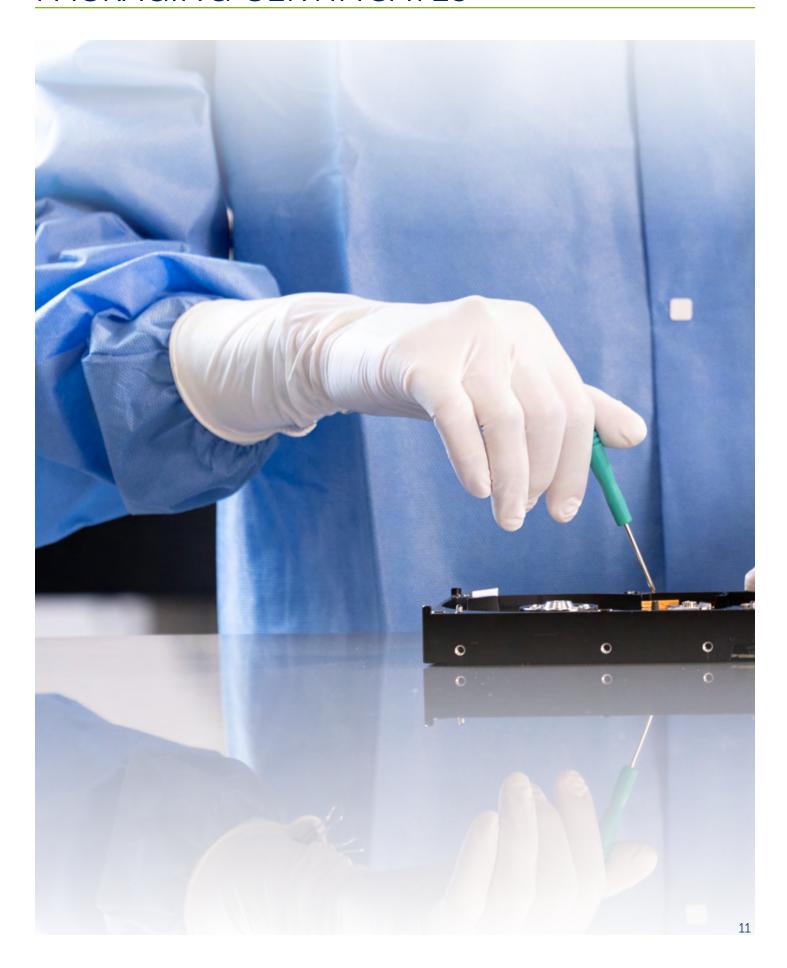
Product of Thailand

MO MA Halyard, Inc. 9120 Lockwood Blvd, Mechanicsville, VA 23116
In USA, please call 1-844-425-9273 - halyardhealth.com
[EIEBP ArcRsyl Ulminited Company, Virginia Road, Kells, Co Meath, Ireland
② DOM Halyard Belgium BV, Berkenlaan 88, 1831 Machelen (Brab), Belgium
URS PP, EID Quality Jimited Centensyl House Penissula Park, Rydon Lane, Eveter, EX2 7XE, United Kingdom
IVR PP, EID Quality Jimited Centensyl House Penissula Park, Rydon Lane, Eveter, EX2 7XE, United Kingdom
IVR PP, EID Quality Jimited Centensyl House Penissula Park, Rydon Lane, Eveter, EX2 7XE, United Kingdom
IVR PP, EID Quality Jimited Centensyl House Penissula Park, Rydon Lane, Eveter, EX2 7XE, United Kingdom
IVR PP, EID Quality Jimited Centensyl House Point John M. Keynespielin 9, 106 EP Amsterdam, and to the Regulation (EIQ 10016/425 on personal protective equipment, as amended to apply in Great Britain by Approved Body BSI Assurance UK Ltd (1086) Kitemark Court, Davy Avenue, Milton Keynes, MKS 8PP, Sponsored in Australia by OAM Haydra Australia Py Ld, Tenancy 1, Level 1, Triniti 3, 30 Belin Road, North Ryde NSW 2113
\*Registered Trademark or Trademark of O&M Halyard, Inc., or its affiliates, © 2018. All rights reserved.
Patent and/or Pending Application. See wown.halyardhealth.com/patens.

**Place Label Here** 

06-HM-085-0-00

# PACKAGING CERTIFICATES





Date Reviewed: 30.11.2017
CORPORATION SDN BHD (187530-A)

Lot 608, Jalan Sungai Sop, Batu 14, 43100 Hulu Langat, Selangor, Malaysia. Tel: +603-9021 3985

Tel: +603-9021 3985
E-mail: sales@tipcorp.com Website: www.tipcorp.com



FORM: OC-07 REV 10

CERTIFICATE OF CONFORMANCE

THE RESERVE OF THE PROPERTY OF		The state of the s
THIS IS TO CERTIFY THAT THE	FOLLOWING PRODUCT CONFORM/PASS	THE OPPORTOR AND LARGED BUT ONLY
THIS IS TO CERTIFIT THAT ITH	TOLLOWING FRODUCT CONFORMIPASS	THE SPECIFICATION LISTED RELOWS
		THE OF BOTH TOTAL ENGINED BELOW,

CUSTOMER

: SAFESKIN

DESCRIPTION

: C/R EASY TEAR LDPE -PRT -355X405X0.05MM

QUANTITY

: 20,000 PCS

LOT NO

: 61200

PART NO

: 06-HM-039-0-00

110110.00

P.O NO. & DATE: 4561162599

TEST DATE

: 12.07.2021

OUR INVOICE NO: TPL 16374

PALLET REFERENCE

NUMBER (IF ANY):

PACKING LIST NUMBER: TPL16374

DATE OF MANUFACTURING:

DATE OF EXPIRED:

Safeskin Thailand		
	61 6 10	F545 63

D/O No.

TPL16374

IQA Batch

P2107139

Date

16-006-2021

Signature By :

Onals

### SURFACE RESISTIVITY TEST - (Reference ASTM D257, ANSI / ESD S541 & ANSI / ESD STM 11.11)

ESTED BY: Ru QC	Balyat DEPAR	FMENT VERIFIED BY : (A EXECUTIVE
Chu		Just -
		NO CENTRE SEAL / WITHOUT PERFORATION
		CENTRE SEAL / WITH PERFORATION LINE
		AMIDE & SILICON FREE
	1	PRINTING
		SEAL/PEEL STRENGTH TEST
		LPC TEST
		WATER LEAK TEST
		DIMENSION CHECK (WIDTH, LENGTH & THICKNESS)
		VISUAL TEST
		CONDUCTIVE : < 1 X 10 <sup>5</sup> OHMS/SQ
		DISSIPATIVE $:\ge 1 \times 10^5 \text{ AND} < 1 \times 10^{12} \text{ OHMS/SQ}$



TOP IN PERFORMANCE

# BAG COC

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=ORM QC:01 REV 9 Date Implement: 05 04:2018	DATE	moing / mount	Accept / Reject	Acc / Rej: 0/1	Acc , Re : 0/1	Acc. / Rej : 0/1	Acc , Re : 0/1	PROPERTIES OF MATERIAL	CONDUCTIVE	DISSIPATIVE	INSULATOR	TEST METHOD	CTHER OTHER		Remarks			For locoming visual	Bag no lorn, damaged - Accept	Reject for the bag is broken		Equipment for Inspection : .	The trace Thickness Charles	Surface Resistivity - SRM	SUMMARY OF	INSPECTIO	Visual OK	Sticky: NO	Seal Strength: OK Water Leak Test N/A	Printing per spec: OK	Surface Resistivity: N/A		PACKING		Otty per bag	Otty per carton	Carton Size	Label In vs Out	Verified By :	Final Disposition	
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FORM: QC-07 REV 10

Date Reviewed: 30.11.2017

### TIP CORPORATION SDN BHD (1872)0-A)

Lot 608, Jalan Sungai Sop, Batu 14, 43100 Hulu Langat, Selangor, Malaysia. Tel: +603-9021 3985 E-mall: sales@tipcorp.com Website: www.tipcorp.com





CERTIFICA	ATE (	OF C	ONFO	RMA	NCE
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THIS IS TO CERTIFY THAT THE FOLLOWING PRODUCT CONFORM/PASS THE SPECIFICATION LISTED BELOW;-

CUSTOMER

: SAFESKIN

DESCRIPTION

: C/R EASY TEAR LDPE BAG -355X405X0.045MM

QUANTITY

: 48,000 PCS

LOT NO

: 61448

PART NO

: 06-HM-041-0-00

P.O NO. & DATE : 4561164448

TEST DATE

: 10.08.2021

OUR INVOICE NO: TPL16679

PALLET REFERENCE NUMBER (IF ANY):

NOMBER (II ANT).

DATE OF MANUFACTURING:

PACKING LIST NUMBER: TPL16679

DATE OF EXPIRED:

Safeskin Thailand	200			
	Calan	7 0	FETE	0.7

D/O No.

TPL 16679

IQA Batch

1 2108109

Signature By :

14-AUG 202

### SURFACE RESISTIVITY TEST - (Reference ASTM D257, ANSI / ESD S541 & ANSI / ESD STM 11.11)

Rul	alyat	VERIFIED BY : QA EXECUTIVE
A		
		NO CENTRE SEAL / WITHOUT PERFORATION
		CENTRE SEAL / WITH PERFORATION LINE
	D	AMIDE & SILICON FREE
		PRINTING
	Z	SEAL/PEEL STRENGTH TEST
	D	LPC TEST
		WATER LEAK TEST
	D	DIMENSION CHECK (WIDTH, LENGTH & THICKNESS)
	Z	VISUAL TEST
		CONDUCTIVE : < 1 X 10 <sup>5</sup> OHMS/SQ
		DISSIPATIVE $: \ge 1 \times 10^5 \text{ AND} < 1 \times 10^{12} \text{ OHMS/SQ}$

TIP

QC DEPARTMENT

TESTED BY

TOP IN PERFORMANCE

## BAG 2 COC

	☐ IN COM	ING QUALITY	INSPECTION	TIP	TIP CORF	PORATIO	N SDN BHD			√	OUT GOING	QUALITY INSI	PECTION REF					FORM : QC-01 REV 9 Date Implement : 05.04.2018 REF NO : QC -01 DATE : 10.08.2021
ISTOMER	SUPPLIER:		SAFESKIN				L	OT NO	61448					SAMPLING PL	AN 0.65 single	e Plan Normal Ir	spection \$3	
														Lot Qtty			SS	Accept / Reject
EM:	C/R EASY TEA	RIDDE BAG	-355X405X0	045MM				YTITHAUC	48,000 pcs					501 to 3,20	00pcs		13	Acc / Rej : 0/1
EWI .	O/N ENGT TEN	I LUI L DAG	-000/(100/(0											3,201 to 35	,000pcs		20	Acc / Rej : 0/1
	05 1114 042 0 0													35.001 to 5	500.000pcs		32	Acc / Rej : 0/1
ART NO:	06-HM-041-0-0	10												500,001 pc			50	Acc / Rej : 0/1
					D	MENSION	/ PHYSICAL IN	ISPECTION						500,001 pc	SUKPACE KE	SISTINITE DATE		PROPERTIES OF MATERIAL
							PHISICALIN	VSPECTION		VISUAL			SEAL	PRT/		SAMPLE NO	1	CONDUCTIVE
NO					NSION CHE		-				REMARKS	EASYTO			_			
	WIDTH	MAX	MIN	LENGTH	MAX	MIN	THICKNESS	MAX	MIN	OK/NG		OPEN	STRENGTH	GUSSET		OHM/SQ		DIOON THITE
EC	355+/-5	360	350	405+/-10	415	395	0.045+/-0.01	0.055	0.035	OK	OK	OK	OK		NO	RIGHT	LEFT	INSULATOR
1	355	1		410			0.047								1	11	10	TEST METHOD
2	354			409			0.047								2	10	10	(ASTM D 257)
3	355			410			0.048								3	10	11	OTHÈR
4	354			410			0.047								4	11	10	
5	355			409			0.048								5	10	10	Remarks:
6	354			410			0.047								6	- 11	11	2 side seal-seal width 10mm min
7	355			409			0.048		- 1						7	11	10	
8	354			410			0.047								8	10	11	
9	355			409			0.048								9	11	10	For Incoming visual :
10	354			410			0.047			-					10	11	11	Bag no torn , damaged - Accept
11	355			409			0.048								11	10	10	Reject for the bag is broken
12	354			410			0.047								12	11	11	
13	355			409			0.048								13	10	10	Equipment for Inspection : -
14	354			410	1		0.047				-		-		14	11	11	Dimension - Measuring Tape
15	355			409			0.048								15	10	11	Thickness - Thickness Checker
16	355	OK		410	OK	-	0.047	OK		OK .	OK	OK	OK		16	11	10	Surface Resistivity - SRM
17	354			409			0.048				-				17	11	11	SUMMARY OF OUTGOING QC INSPECTION RESULT:
18	355			410			0.047			-	1		-		18	10	10	Visual : OK MVTR- N/A
19	354			409			0.048	-		-	1	_	-		19	11	11	Sticky: NO Easy to open: OK
20	354			410			0.047			-			-		20	11	10	LPC : OK Mixed: NO
21	355			409			0.047			-			-		21	-	11	Seal Strength : OK Water Leak Test N/A
22	354			410			0.048				-		-		22	11	10	
23	355			409		-	0.047	-		-			-		23			Printing per spec: N/A Surface Resistivity: N/A
24	354			409		-	0.048			-			-		24	11	10	Our lace Addisuvity, IWA
25	354			410		-	0.047			-	-		-		25	10	10	DAGIGNIC GOLIDIYIGA INI
26	355			410		-	0.048		-	+	-		-	-	27	10	10	PACKING CONDITION INSPECTION  SPEC ACTU
27	354			409			0.048	-		+		-	-	-	28	10	10	
28	355			410	-	-	0.047	-		-	-		-		28	11	11	Otty per bag
29	354			409	-		0.048			-	-	-	-		30	10	11	Otty per carton Carton size
30	355			410			0.047	-	-	-		-	-		30	10	11	PN vs Actual
31	354			409			0.048	-	-	-	-	-	-			_	_	- Contraction to the same of t
32	354	1		410			0.048				-		1	Danasa	32	011	11	Label In vs Out
					_									Prepared		CM		Verified By :
		REMARKS :		ACCEPT	1000		REJECT							Final disp		OK		Final Disposition OK
														Accept / F	Reject .	ACCEPT		Accept / Reject: ACCEPT

### BAG 2 COC



TIP Corporation Sdn. Bhd.

Lot 608, Jalan Sg Sop, Off Jalan Sg Tekali, Batu 14 Hulu Langat, 43100 Selangor, MY.

Tel: +603-90213985 / 6 / 7 Fax: +603-90213982/4 Email: sales@tipcorp.com

FORM QC-21

		2.8	IDOT	2		
			LPC Test I	-		
Testing Dat Customer Blank Partic	e cle Counts ( Cum	: C/R EASY TEAR LI : 10.8.2021 : SAFESKIN ulative)	DPE I Lot No size	OUT	18 X 405 X 0.05MM GOING IM-041-0-00	
	Blank Cts 1 Counts/ml	Blank Cts 2 Counts/ml	Blank Ct 3 Counts/ml		age Blank ( A ) ints/ml	
0.5 micron	20.0	19.0	17.0		18.7	
1.0 micron	3.0	4.0	2.0		3.0	
1.5 micron	2.0	4.0	2.0		2.7	
2.0 micron	1.0	2.0	4.0		2.3 Total counts	26.666667
Wash Samp	le Particle Count	s ( Cumulative )				
	Washed Cts 1 Counts/ml	Washed Cts 2 Counts/ml	Washed Cts 3 Counts/ml		age Washed ( B ) ints/ml	
0.5 micron	0.08	95.0	100.0		91.7	
1.0 micron	13.0	14.0	17.0		14.7	
1.5 micron	9.0	8.0	7.0		8.0	
2.0 micron	5.0	7.0	9.0		7.0 Total counts	121.33333
Wet Particl	e Counts		(C) .	Total	Vol. for Washed Sam	nple (I
	d - Ave.Blank ( C	= B - A )		Wash	ned Volume ( ml )	400 m
0.5 micron		73.0				
1.0 micron		11.7				
1.5 micron		5.3		-	Area of Plastic	( E
2.0 micron		4.7	-	Total	Area for wash	2947 cn
Total Particl	le Counts in Was	hed Volume	(F)	Total	Wet Part Cts / cm <sup>2</sup>	(0
	$(F = C \times D)$					(G = F/E)
0.5 micron	29200				nicron	9.9083814
	4666.6667				nicron	1.5835313
1.0 micron	2133.3333			1 5 m	ucron	0.7239

Total Particle:

2.0

12.8492252

1.0 micron

0.5 micron

SPEC:  $\geq 0.5u \leq 100 \text{ COUNTS/CM}^2$ 

0.7

1.5 micron

Tested By:

MARIAM

Date:

10.8.2021

0.6

2.0 micron

Date:

### CASE LINER COC

FORM: QC-07 REV 10

Date Reviewed: 30.11.2017



### CORPORATION SDN BHD Reg No 108991010228

Lot 2288, Jalan P4/8, Bandar Teknologi Kajang, Semenyih, 43500 Selangor, Malaysia. Tel: +603-8723 7889 re:: +bu3-8723 / 889 E-mall: sales@tipcorp.com Website: www.tipcorp.com SST No: W24-1808-21017734





CERTIFICATE OF CONFORMANCE

THIS IS TO CERTIFY THAT THE FO	LOWING PRODUCT CONFORM/PASS	THE SPECIFICATION LISTED BELOW:-

CUSTOMER

: SAFESKIN

DESCRIPTION

: CLEANROOM LDPE BAG WITH GUSSET 350 X 700 X 0.04mm + G150mm

QUANTITY

: 20,000 PCS

LOT NO

: K61449

PARTNO

: 06-HM-042-0-00

P.O NO. & DATE : 4561163570

TEST DATE

: 06.08.2021

**OUR INVOICE NO: TPL16653** 

PALLET REFERENCE

NUMBER (IF ANY): -

PACKING LIST NUMBER: TPL16653

DATE OF MANUFACTURING: N/A

DATE OF EXPIRED: N/A

Safeskin Thailand

D/O No.

· TPL 166 53

IQA Batch : P3108087

11- AUB-2021

Signature By :\_

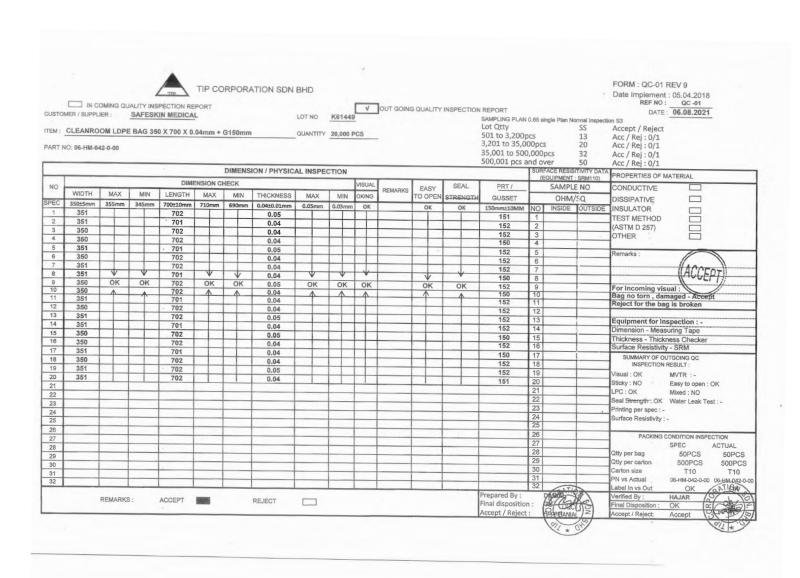
### SURFACE RESISTIVITY TEST - (Reference ASTM D257, ANSI / ESD S541 & ANSI / ESD STM 11,11)

	DISS	SIPATIVE $:\ge 1 \times 10^5 \text{ AND} < 1 \times 10^5 \text{ AND} <$	10 <sup>12</sup> OHMS/SQ
	CON	NDUCTIVE : < 1 X 10 <sup>5</sup> OHMS/SQ	2
	VISI	UAL TEST	
	DIM DIM	ENSION CHECK (WIDTH, LENG	TH & THICKNESS)
	☐ WA	TER LEAK TEST	
	Z LPC	CTEST	
	SEA SEA	AL/PEEL STRENGTH TEST	
	PRIN	NTING	
	AMI	IDE & SILICON FREE	
	CEN	TRE SEAL / WITH PERFORATION	ON LINE
	□ NO C	CENTRE SEAL / WITHOUT PERF	ORATION
	DANTAR	A.	AND PORT OF THE PROPERTY OF TH
TESTEI	BY: OF COM	GLOC C	VERIFIED BY CA ENGINEER



TOP IN PERFORMANCE

### CASE LINER COC



### CASE LINER COC



### P CORPORATION SDN BHD (1957-101-10228

Lot 2288, Jalan P4/8, Bandar Teknologi Kajang, Semenyih, 43500 Selangor, Malaysia. Tel: +603-8723 7889 E-mail: sales@tipcorp.com Website: www.tipcorp.com SST No: W24-1808-21017734



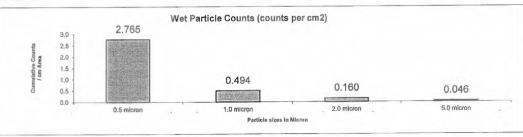


					FORM QC-21
			LPC Test Rep	ort	
Item:	C/R LDPE BAG 06.08.2021		Lot N Size:		
Testing Date: Customer:	SAFESKIN		Meth	od: BY SHAKER	
<b>Blank Particle</b>	Counts (Cumula	ntive)	Mach	ine: KCCS-6	
	Blank Cts 1	Blank Cts 2	Blank Ct 3	Average Blank (A)	
	Counts	Counts	Counts	Counts	
0.5 micron	4.0	. 2.0	0.0	2.0	
1.0 micron	1.0	0.0	0.0	0.3	
2.0 micron	0.0	0.0	0.0	0.0	
5.0 micron	0.0	0.0	0.0	0.0 Total counts	2.3
Wash Sample	Particle Counts (	Cumulative)			
	Washed Cts 1	Washed Cts 2	Washed Cts 3	Average Washed (B)	

	Washed Cts 1	Washed Cts 2	Washed Cts 3	Average Washed (B)	
	Counts	Counts	Counts	Counts	
0.5 micron	124.0	134.0	112.0	123.3	
1.0 micron	21.0	26.0	19.0	22.0	
2.0 micron	8.0	5.0	8.0	7.0	
5.0 micron	2.0	2.0	2.0	2.0 Total counts	154.3

(C) Wet Particle Counts		(D) Total Vol. for Washed S	Sample
Ave.Washed - Ave.Blank (C:	= B - A )	Washed Volume ( ml )	1000 ml
0.5 micron	121,3		
1.0 micron	21.7	(E) Sampling size	5 ml
2.0 micron	7.0		
5.0 micron	2.0	(F) Total Area of Plastic	
		<b>Total Washed Area</b>	8775 cm <sup>2</sup>

(G) Particle counts per m	1(G = C/E)	(H) Total Wet Part Cts / cm2 (H = G X D / F		
0.5 micron	24.267	0.5 micron	2.765	
1.0 micron	4.333	1.0 micron	0.494	
2.0 micron	1.400	2.0 micron	0.160	
5.0 micron	0.400	5.0 micron	0.046	



Cts/cm2

Total Particle (≥0.5):

3.464 (PASSED)

SPEC: ≥ 0.5u <1

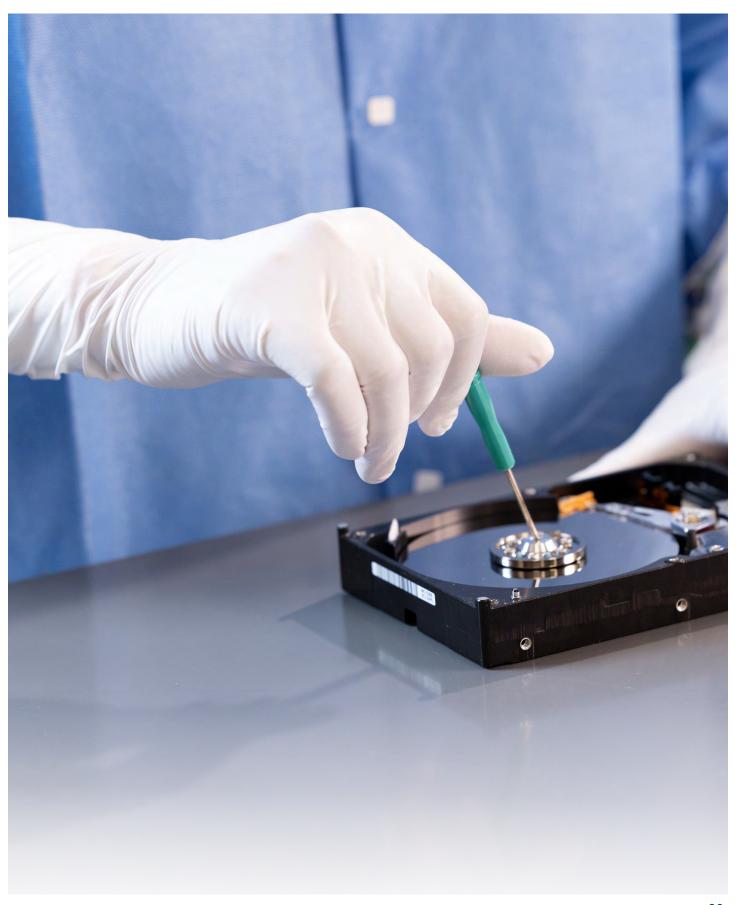
Tested By:

Date:

SUHAIDA 06.08.2021

Date:

Verified By





### 1. IDENTIFICATION

Product Name: HALYARD\* PUREZERO\* HG5 Nitrile Gloves

Product Number: Various

Date Prepared:	5/17/2023
Manufacturer:	O&M Halyard, Inc.
	1 Edison Dr.
	Alpharetta, Georgia 30005
Telephone:	
MEDICAL EMERGENCY:	Call 911 or your local Emergency Room or
	Poison Control Services
TRANSPORTATION EMERGENCY:	Chemtrec 1-800-424-9300 or 1-703-527-3887
	(collect calls accepted)
INFORMATION:	1-844-HALYARD

Product Use: Protective gloves.

### 2. HAZARDS IDENTIFICATION

GHS Classification: Not Hazardous. These products are manufactured articles or articles as this term is defined in the OSHA Hazard Communication Standard (20CFR 1910.1200), EU REACH, Canadian WHMIS, Australia WHS and the GHS. These products are out of the scope of the GHS and no SDS or labeling are required.

GHS Labeling: No GHS labeling required.

#### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No./ EINECS-No	%	GHS Classification:
Non-Hazardous Ingredients	Mixture	100	Not Hazardous

#### 4. FIRST AID MEASURES

**Inhalation:** No first aid needed.

Skin contact: No first aid needed. These products are intended to be used in contact with

the skin.

Eye contact: No first aid needed.

**Ingestion:** Not a relevant route of exposure.

Most Important symptoms and effects, both acute and delayed: No adverse

effects.

Indication of any immediate medical attention and special treatment

needed: None required.



### HALYARD\* PUREZERO\* HG5 Nitrile Gloves

### 5. FIRE-FIGHTING MEASURES

Suitable (and unsuitable) Extinguishing Media: Use media suitable for surrounding materials.

**Specific Hazards Arising from the Chemical:** These products can melt in a fire. Molten material may flow or drip and spread the fire.

**Hazardous Combustion Products:** Combustion may produce toxic and irritating gases and vapors.

Special Protective Equipment and Precautions for Fire-fighters: None required.

### 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures: None required.

Environmental Precautions: None required.

Methods and Materials for Containment and Cleaning Up: No special precautions required. Pick up and dispose of in an appropriate container.

### 7. HANDLING AND STORAGE

Precautions for Safe Handling: No special handling is required.

Conditions for Safe Storage, including any Incompatibilities: Store away from heat and flames.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Exposure limit(s)

Chemical Name	Exposure limit(s)
Non-Hazardous Ingredients	None established

Appropriate Engineering Controls: None required.

Individual Protection Measures, such as Personal Protective Equipment:

**Respiratory Protection:** None required.

Protective Gloves: None required.

**Eye Protection:** None required.



### 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odor	Solid Gloves, blue or white
Odor Threshold:	Not applicable
Boiling point/range	Not applicable
Melting point/range	Not determined
Relative Density (water=1)	Not determined
Vapor pressure	Not applicable
Vapor density (air=1)	Not applicable
Solubility	Insoluble
рН	Not applicable
Partition coefficient (n-octanol/water):	Not applicable
Evaporation Rate (Butyl acetate=1)	Not applicable
Viscosity:	Not applicable
Volatile Organic Carbon Compounds (VOC) (g/L)	Not applicable
Flashpoint:	None.
Flammable Limits in Air % by Volume:	LEL (Lower):Not applicable
	UEL (Upper): Not applicable
Autoignition temperature:	Not determined.
Decomposition temperature:	Not determined
Flammability (solid, gas):	Not a flammable solid

### 10. STABILITY AND REACTIVITY

Reactivity: Not reactive.

Chemical Stability: Stable at ambient temperature and pressure.

Possibility of Hazardous Reactions: None known.

Conditions to Avoid: Avoid heat and flames.

Incompatible Materials: None known.

Hazardous Decomposition Products: Thermal decomposition may produce carbon and nitrogen oxides and unidentified hydrocarbon fragments.



### HALYARD\* PUREZERO\* HG5 Nitrile Gloves

### 11. TOXICOLOGICAL INFORMATION

**Symptoms/Effects of Overexposure:** These gloves are manufactured articles. Their use will not result in exposure to any hazardous materials.

Inhalation: Not applicable.

Skin contact: None. Intended for skin contact. These products contain no natural latex.

Eye contact: None expected.

Ingestion: Not applicable.

Chronic toxicity: None expected.

Carcinogenicity Data: None of the components of this product is listed as a carcinogen

by IARC, NTP, US OSHA or the EU CLP Annex VI.

Reproductive Toxicity: None known.

**Numerical Measures of Toxicity:** 

Not acutely toxic.

### 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** These gloves are manufactured articles. Their use will not result in adverse environmental effects.

Persistence and Degradability: Not degradable. Bioaccumulative Potential: Not bioaccumulative.

Mobility in Soil: Not mobile.

Other Adverse Effects: None currently known.

### 13. DISPOSAL CONSIDERATIONS

Dispose in accordance with all state, local and federal regulations. If unused, the product may be disposed of as a non-hazardous material.

#### 14. TRANSPORT INFORMATION

US DOT Shipping Description: Not regulated
IATA Shipping Description (Air): Not regulated
IMDG Shipping Description (Vessel): Not regulated

### 15. REGULATORY INFORMATION

#### **US Regulations**

**EPA Toxic Substances Control Act (TSCA):** These gloves are articles and exempt from the TSCA regulations.





SARA 302 Listed Chemicals: None.

SARA 311/312 Hazard Categories: Not applicable to articles

SARA 313 This Product Contains the Following Chemicals Subject to Annual Release Reporting Requirements Under the SARA Section 313 (40 CFR 372): Not applicable to articles.

### 16. OTHER INFORMATION

Date Prepared: 5/17/2023

HMIS Rating: Health 0 Fire 1 Physical Hazard 0

The information contained herein is true and correct to the best of O&M Halyard, Inc's knowledge. However, no warranty, expressed or implied, is made. Nothing herein should be interpreted as a recommendation to infringe existing patents or violate any laws or regulations. Final determination of the suitability of the material is the sole responsibility of the user.



July 11, 2023

### RE: HALYARD\* PUREZERO\* HG3 and HG5 Cleanroom Nitrile Gloves

O&M Halyard, Inc. confirms that our Halyard **PURE**ZERO\* HG3 and Halyard **PURE**ZERO HG5 Nitrile Cleanroom Glove families are fully compliant with the related requirements of the European Union Regulation (EC) 1907/2006 concerning Registration, Evaluation, Authorization, and Restriction of Chemicals (REACH).

O&M Halyard, Inc. hereby confirms that our Halyard **PURE**ZERO\* HG3 and Halyard **PURE**ZERO HG5 Nitrile Cleanroom Gloves either do not contain the presence of greater than 0.1% of substances identified on the SVHC Candidate list according to Article 33 of the REACH Regulation and/or do not contain any of the listed substances.

Thank you for your interest in Halyard products. If you have any questions or need additional information, please do not hesitate to contact us at <a href="PIQ@hyh.com">PIQ@hyh.com</a> or call us directly at (844) 425-9273.

Sincerely,

Caitlin Senter

Director

Global Regulatory Affairs

O&M Halyard, Inc.

<sup>\*</sup>Registered Trademark or Trademark of O&M Halyard or its affiliates. ©2023. All rights reserved. COPY-04686



CLN3031XS CLN3031MD CLN3031IG CLN3031LG CLN3031XL  HALYARD* PUREZERO* HG3 Light Blue Nitrile Gloves  CLN9031SM CLN9031SM CLN9031MD CLN9031LG CLN9031LG CLN9031XL  HALYARD* PUREZERO* HG3 White SGX* Nitrile Gloves  CLN3231XS CLN3231SM CLN3231LG CLN3231LG CLN3231XL  HALYARD* PUREZERO* HG3 Light Blue Sterile Nitrile Gloves  6.0 CLN923260 6.5 CLN923265 7. 0 CLN923275 8.0 CLN923279 10.0 CLN923210  HALYARD* PUREZERO* HG3 White Sterile Nitrile Gloves  6.0 CLN923285 9.0 CLN923285 9.0 CLN923290 10.0 CLN323210 7. 5 CLN323275 8.0 CLN323275 8.0 CLN323275 8.0 CLN3232765 7.0 CLN323270 7.5 CLN323275 8.0 CLN323285 9.0 CLN323285 9.0 CLN323285	HALYARD* PUREZERO* HG3 White Nitrile Gloves				
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CLN9031XS CLN9031SM CLN9031MD CLN9031LG CLN9031XL  HALYARD* PUREZERO* HG3 White SGX* Nitrile Gloves  CLN3231XS CLN3231SM CLN3231MD CLN3231LG CLN3231XL  HALYARD* PUREZERO* HG3 Light Blue Sterile Nitrile Gloves  6.0 CLN923265 7.0 CLN923275 8.0 CLN923275 8.0 CLN923280 8.5 CLN923285 9.0 CLN923290 10.0 CLN923210  HALYARD* PUREZERO* HG3 White Sterile Nitrile Gloves  6.0 CLN323260 6.5 CLN323260 7.5 CLN323260 6.5 CLN323260 8.5 CLN323270 7.5 CLN323270 7.5 CLN323270 7.5 CLN323270 7.5 CLN323270 7.5 CLN323270 8.5 CLN323280 8.5 CLN323280 8.5 CLN323280		CLN3031XL			
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10.0 CLN323210		9.0 CLN323290			
		10.0 CLN323210			

Description	Code	
HALYARD* <b>PURE</b> ZERO* HG5 White Nitrile Gloves	CLN30512XS	
	CLN30512SM	
	CLN30512MD	
	CLN30512LG	
	CLN30512XL	
HALYARD* <b>PURE</b> ZERO* HG5 Blue SGX* Nitrile Gloves	CLN92512XS	
	CLN92512SM	
	CLN92512MD	
	CLN92512LG	
	CLN92512XL	

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# Certificate of Registration

QUALITY MANAGEMENT SYSTEM - ISO 9001:2015

Safeskin Medical & Scientific This is to certify that:

(Thailand) Ltd.

200 Moo 8, Kanchanavanich Road, Tambol Prik, Amphur Sadao,

Songkhla 90120 Thailand

Holds Certificate Number: FM 697757

and operates a Quality Management System which complies with the requirements of ISO 9001:2015 for the following scope:

> Design and Development, Production and Distribution of Industrial Gloves-Sterile and Non-Sterile Examination Gloves.

For and on behalf of BSI:

Chris Cheung, Head of Compliance & Risk - Asia Pacific

Effective Date: 2021-08-12 Original Registration Date: 2018-08-12 Latest Revision Date: 2021-07-16 Expiry Date: 2024-08-11

Page: 1 of 2





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An electronic certificate can be authenticated online.

Printed copies can be validated at www.bsi-global.com/ClientDirectory or telephone +66(2) 2944889-92.

Further clarifications regarding the scope of this certificate and the applicability of ISO 9001:2015 requirements may be obtained by consulting the organization. This certificate is valid only if provided original copies are in complete set.

Information and Contact: BSI, Kitemark Court, Davy Avenue, Knowhill, Milton Keynes MK5 8PP. Tel: + 44 345 080 9000 BSI Assurance UK Limited, registered in England under number 7805321 at 389 Chiswick High Road, London W4 4AL, UK. A Member of the BSI Group of Companies.

### ISO 9001:2015 (continued)

Certificate No: FM 697757

Location Registered Activities

Safeskin Medical & Scientific (Thailand) Ltd. 200 Moo 8, Kanchanavanich Road, Tambol Prik, Amphur Sadao, Songkhla 90120 Thailand

Design and Development, Production and Distribution of Industrial Gloves-Sterile and Non-Sterile Examination Gloves.

Including the following support function: Owens & Minor Halyard Incorporation. 5405 Windward Parkway, Alpharetta, GA, USA: Design and Development of Industrial Gloves-Sterile and Non-Sterile Examination Gloves.



Original Registration Date: 2018-08-12 Effective Date: 2021-08-12 Latest Revision Date: 2021-07-16 Expiry Date: 2024-08-11

Page: 2 of 2

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Information and Contact: BSI, Kitemark Court, Davy Avenue, Knowlhill, Milton Keynes MK5 8PP. Tel: + 44 345 080 9000 BSI Assurance UK Limited, registered in England under number 7805321 at 389 Chiswick High Road, London W4 4AL, UK. A Member of the BSI Group of Companies.





# Certificate of Registration

QUALITY MANAGEMENT SYSTEM - ISO 13485:2016 & EN ISO 13485:2016

This is to certify that: O & M Halyard, Inc.

9120 Lockwood Blvd Mechanicsville

Virginia 23116 USA

Holds Certificate Number: MD 735497

and operates a Quality Management System which complies with the requirements of ISO 13485:2016 & EN ISO 13485:2016 for the following scope:

Design, development, manufacture and distribution of sterile and non-sterile medical examination gloves.

For and on behalf of BSI:

Graeme Tunbridge, Senior Vice President Medical Devices

Original Registration Date: 2020-11-25 Effective Date: 2023-01-09 Latest Revision Date: 2023-01-05 Expiry Date: 2026-01-08

Page: 1 of 2

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### ISO 13485:2016 (continued)

Certificate No: MD 735497 Location Registered Activities O & M Halyard, Inc. Headquarter management activities. 9120 Lockwood Blvd Mechanicsville Virginia 23116 USA O & M Halyard, Inc. The design and development of sterile and non-sterile medical examination gloves. 1 Edison Drive Alpharetta Georgia 30005 USA Design, development, manufacture and distribution of sterile Safeskin Medical & Scientific and non-sterile medical examination gloves. (Thailand) Ltd. 200 Moo 8, Kanchanavanich Road, Tambol Prik, Amphur Sadao, Songkhla 90120 Thailand

Original Registration Date: 2020-11-25 Effective Date: 2023-01-09 Latest Revision Date: 2023-01-05 Expiry Date: 2026-01-08

Page: 2 of 2

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An electronic certificate can be authenticated online.







# Certificate of Registration

### ENVIRONMENTAL MANAGEMENT SYSTEM - ISO 14001:2015

This is to certify that: Safeskin Medical & Scientific

(Thailand) Ltd.

200 Moo 8, Kanchanavanich Road, Tambol Prik, Amphur Sadao,

Sonakhla 90120 Thailand

Holds Certificate Number: EMS 772160

and operates an Environmental Management System which complies with the requirements of ISO 14001:2015 for the following scope:

The Manufacturing of Medical and Scientific Gloves.

For and on behalf of BSI:

Michael Lam - Managing Director Assurance, APAC

Original Registration Date: 2022-10-27 Effective Date: 2022-10-27 Latest Revision Date: 2022-10-27 Expiry Date: 2025-10-26

Page: 1 of 1





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Printed copies can be validated at www.bsi-global.com/ClientDirectory or telephone +66(2) 2944889-92.
Further clarifications regarding the scope of this certificate and the applicability of ISO 14001:2015 requirements may be obtained by consulting the organization. This certificate is valid only if provided original copies are in complete set.



May 4, 2023

RE: HALYARD\* PUREZERO\* HG3 and HG5 Nitrile Gloves

Dear Valued Customer,

This letter is in response to your recent accelerator-free inquiry for the HALYARD\* PUREZERO\* HG3 and HG5 Nitrile Gloves.

The following gloves are accelerator-free and are not formulated with the following vulcanizing chemicals and accelerators: Sulfur, Thiurams, Thiaxoles, Guanidines, Carbamates.†

HALYARD\* PUREZERO\* HG3 White Nitrile Gloves
HALYARD\* PUREZERO\* HG3 Light Blue Nitrile Gloves
HALYARD\* PUREZERO\* HG3 White SGX\* Nitrile Gloves
HALYARD\* PUREZERO\* HG3 White Sterile Nitrile Gloves
HALYARD\* PUREZERO\* HG3 Light Blue Sterile Nitrile Gloves

HALYARD\* PUREZERO\* HG5 White Nitrile Gloves
HALYARD\* PUREZERO\* HG5 Blue SGX\* Nitrile Gloves

Thank you for your interest in Halyard products. If you have any questions or need additional information, please do not hesitate to contact us at <u>PIQ@hyh.com</u> or call us directly at (844) 425-9273.

Sincerely,

Shannon Smith

**Shannon Smith**Associate Product Manager
O&M Halyard, Inc.

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<sup>&</sup>lt;sup>†</sup> The chemicals and accelerators shown is not a comprehensive list.

<sup>\*</sup>Registered Trademark or Trademark of O&M Halyard or its affiliates.



May 9<sup>rd</sup>, 2023

#### RE: HALYARD\* PUREZERO\* HG5 Nitrile Gloves

Dear Valued Customer,

This letter is in response to your recent inquiry regarding food contact tesintg of **HALYARD\* PURE**ZERO\* **HG5 Nitrile Gloves.** 

The following gloves have been tested against the **Commission Regulation (EU) No 10/2011** of 14 January 2011 on plastic materials and articles intended to come into contact with food, **21 CFR 177.2600** for "Rubber Articles Intended for Repeated Use" of Part 177 - Indirect Food Additives: Polymers. And **21 CFR 180.22** of "Food and Drugs" Part 180 - FOOD ADDITIVES PERMITTED IN FOOD OR IN CONTACT WITH FOOD ON AN INTERIM BASIS PENDING ADDITIONAL STUDY: Acrylonitrile copolymers.

HALYARD\* PUREZERO\* HG5 White Nitrile Gloves
HALYARD\* PUREZERO\* HG5 Blue SGX\* Nitrile Gloves

To simulate aqueous foods (distilled water) and fatty foods (n-Hexane), the results below reflect testing in accordance with **21 CFR 177.2600** for "Rubber Articles Intended for Repeated Use" of Part 177 - Indirect Food Additives: Polymers for (e) and (f):

Products	Extraction Times	Extraction Solvent	Extractable Content (mg/in²)	Requirement (mg/in2)	Pass/Fail		
HALYARD* PUREZERO* HG5 White Nitrile Gloves	First 7 Hours	Distilled	1.4	20	Pass		
	Next 2 Hours	Water	0.1	1	Pass		
	First 7 Hours		1.6	175	Pass		
	Next 2 Hours	n-Hexane	0.4	4	Pass		
HALYARD* PUREZERO* HG5 Blue SGX* Nitrile Gloves	First 7 Hours	Distilled	1.1	20	Pass		
	Next 2 Hours	Water	0.2	1	Pass		
	First 7 Hours	n-Hexane	0.9	175	Pass		
	Next 2 Hours		0.4	4	Pass		

<sup>\*</sup>Registered Trademark or Trademark of O&M Halyard or its affiliates.

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Based on extraction conditions of 640°C for 2 hours, the results below reflect testing in accordance with 21 CFR 180.22 of "Food and Drugs" Part 180 - FOOD ADDITIVES PERMITTED IN FOOD OR IN CONTACT WITH FOOD ON AN INTERIM BASIS PENDING ADDITIONAL STUDY: Acrylonitrile copolymers.



\*\*Recovery of Acrylonitrile Monomer spike at approximately 88.8%

Products	Solvent	Acrylonitrile (ppm)	0.2 ppm Low Spike
HALYARD* PUREZERO* HG5 White	Water	<0.26	*
Nitrile Gloves	n-Heptane	<0.05	**
HALYARD* PUREZERO* HG5 Blue	Water	<0.26	*
SGX* Nitrile Gloves	n-Heptane	<0.05	**
*Recovery of Acrylonitrile Monomer spike at approximately 64.3%			

Based on extraction conditions of 40°C for 2 hours, the results below reflect testing in accordance with Commission Regulation (EU) No 10/2011 of 14 January 2011 on plastic materials and articles intended to come into contact with food.

Products	Extraction Solvent	Food Simulant Abbreviation	Mean Global Migration (mg/dm2)	Requirement (mg/dm2)	Pass/Fail
	Acetic Acid, 3%	Food Simulant B	2.77		Pass
HALYARD* PUREZERO* HG5 White Nitrile Gloves	Ethanol, 20%	Food Simulant C	4.9	<10	Pass
	Sunflower Oil	Food Simulant D2	3.45	210	Pass
HALYARD* PUREZERO* HG5 Blue SGX* Nitrile Gloves	Acetic Acid, 3%	Food Simulant B	4.63		Pass
	Ethanol, 20%	Food Simulant C	3.01	≤10	Pass
Bide SGA Mittile Gloves	Sunflower Oil	Food Simulant D2	2.86		Pass

<sup>\*\*</sup>Not Detectable: The test result is below the detectable level or quantification limit of the test method and/or equipment.

Thank you for your interest in Halyard products. If you have any questions or need additional information, please do not hesitate to contact us at <a href="PIQ@hyh.com">PIQ@hyh.com</a> or call us directly at (844) 425-9273.

Sincerely,

Discrete s

Director

Global Regulatory Affairs O&M Halyard, Inc.

Nimia Maya

R&D Engineer

Global Research and Development

O&M Halyard, Inc.

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<sup>\*</sup>Registered Trademark or Trademark of O&M Halyard or its affiliates.

# HG5 Nitrile Cleanroom Gloves

### ADDED PROTECTION FROM THE RISK OF CHEMICAL EXPOSURE

It's critical to protect staff from exposure to potentially hazardous chemicals and chemotherapy drugs. In addition to providing a barrier to chemical splash, microorganisms and viruses, **PURE**ZERO\* HG5 Cleanroom Gloves are **now tested against 2 chemotherapy drugs and 21 chemicals**.

#### CHEMOTHERAPY DRUG RESISTANCE GUIDE<sup>4</sup>

Chemotherapy Agent (Concentration in mg/ml)	<b>PURE</b> ZERO* HG5 White Nitrile Gloves 12"		<b>PURE</b> ZERO* HG5 Blue SGX* Nitrile Gloves 12"	
	Minimum Breakthrough Time (minutes)	Permeation Rate (µg/cm²/min)	Minimum Breakthrough Time (minutes)	Permeation Rate (µg/cm²/min)
Carmustine (BCNU) (3.3)	67.3	0.29	68.7	0.12
Thiotepa (1.0)	>240	N/A	>240	N/A

Use the rating system below to determine the chemotherapy compatibility for exposure:

<10	Not recommended for use - breakthrough can occur in less than 10 minutes.
11 - 239	Use with caution - breakthrough can occur between 11 and 239 minutes.
>240	Recommended for protection - no breakthrough up to 240 minutes.
N/A	The chemotherapy drug did not reach the minimum permeation rate (0.01 µg/cm²/min) as defined within ASTM D6978.

**CAUTION:** 

It's the user's responsibility to determine the applicability of these gloves for their intended use with chemotherapy drugs.

#### **DEFINITION OF TERMS**

**Breakthrough time:** The time required for the test chemical to be detected on the inside of the glove. Essentially, this is the amount of time that the glove can resist a chemical when the glove is fully immersed in the chemical.

**Permeation:** The process where chemicals, such as liquids, gases and vapors can pass through a glove film (or other PPE interfaces) without penetrating directly through a pinhole, tear or other visible opening.

**Permeation rate:** The flowrate of the chemical after the chemical breaks through the inside of the glove. It is measured in amount per surface area of the glove per time (µq/cm²/min).

<sup>\*</sup>Tested per ASTM D6978, Standard Practice Assessment of Resistance of Medical Gloves to Permeation by Chemotherapy Drugs. The testing conditions used are intended to approximate the worst case conditions for use. Testing was conducted on a single layer glove material.

# **PURE**ZERO\*

# HG5 Nitrile Cleanroom Gloves

## CHEMICAL RESISTANCE GUIDE<sup>5</sup>

		<b>PURE</b> ZERO* HG5 White Nitrile Gloves 12"		<b>PURE</b> ZERO* HG5 Blue SGX* Nitrile Gloves 12"	
Chemical (Concentration %)	Minimum Breakthrough Time (minutes)	Permeation Rate (µg/cm²/min)	Minimum Breakthrough Time (minutes)	Permeation Rate (µg/cm²/min)	
Acetic Acid (99)	15	2.9E+03	10.1	3.2E+04	
Acrylamide (40)	>480***	0.03	>480***	<1.0	
Ammonium Hydroxide (25)	60.8	5.5	26.4	4.2	
1-Butanol (99)	55.8	1.7E+01	357.6	0.9	
Chloroform (70)	0	N/A	0	N/A	
Citric Acid (30)	>480	<1.0	>480	<1.0	
Citric Acid (70)	>480	<1.0	>480	<1.0	
Cyclohexane (99)	60.6	2.9E+01	>480***	<1.0	
Dimethyl Sulfoxide (99)	10.2	N/A	0	N/A	
Ethanol (70)	43.3	11.4	29.1	2.0E+01	
Ethanol (99)	20.3	7.6E+01	17.5	7.0E+01	
Ethidium Bromide (1)	>480	<1.0	>480	<1.0	
Hydrochloric Acid (30)	341.1	17.0	>480	<1.0	
Isopropyl Alcohol (70)	145.2	3.0	>480***	<1.0	
Isopropyl Alcohol (99)	98.5	3.3	>480***	<1.0	
Methanol (99)	9.3	N/A	1.2	4.8E+01	
Nitric Acid (65)	10.0	3.2E+02	3.1	3.2E+04	
Phosphoric Acid (70)	>480	<1.0	>480	<1.0	
Sodium Hydroxide (50)	>480	<1.0	>480	<1.0	
Sodium Hypochlorite (10-13)	>480	<1.0	>480	<1.0	
Sulfuric Acid (50)	>480	<1.0	>480	<1.0	

Use the rating system below to determine the chemical compatibility for exposure:

<10	Permeation breakthough is poor - avoid use with this chemical.
11 - 479	Glove is suitable under careful control of its use.
>480	Permeation breakthough is excellent.

The following gloves are applicable to this chart: HALYARD\* **PURE**ZERO\* HG5 White Nitrile Gloves HALYARD\* **PURE**ZERO\* HG5 Blue SGX\* Nitrile Gloves

<sup>\*\*\*</sup> Though detected at trace amounts, the permeation did not hit the required rate of 1.0 µg/cm²/min to be deemed as Standardized Breakthrough per EN 16523-01:2015.

DISCLAIMER: The permeation breakthough times presented in this chart were evaluated using the Test Method EN 16523-1.

<sup>\*</sup> Permeation Time (minutes) and Permeation Rate (μg/cm²/min) using Test Method EN 16523-1 Contact your Sales Representative for additional chemical and chemotherapy drug testing information.



November 13th, 2023

### RE: ESD Testing for HALYARD\* PUREZERO\* Nitrile Gloves

Dear Valued Customer,

This letter is in response to your recent inquiry regarding ESD testing of **HALYARD\* PURE**ZERO**\* Nitrile Gloves.** 

The following **HALYARD\* PURE**ZERO**\* Nitrile Glove** families have been tested against ANSI/ESD STM15.1:2019 "In-Use Resistance Testing of Gloves and Finger Cots":

#### **HALYARD\* PUREZERO\* HG3 Cleanroom Nitrile Gloves**

Glove Description	<u>Code</u>
HALYARD* <b>PURE</b> ZERO* HG3 White Nitrile Gloves	CLN3031XS
HALYARD* <b>PURE</b> ZERO* HG3 White Nitrile Gloves	CLN3031SM
HALYARD* <b>PURE</b> ZERO* HG3 White Nitrile Gloves	CLN3031MD
HALYARD* <b>PURE</b> ZERO* HG3 White Nitrile Gloves	CLN3031LG
HALYARD* <b>PURE</b> ZERO* HG3 White Nitrile Gloves	CLN3031XL
HALYARD* <b>PURE</b> ZERO* HG3 Blue Nitrile Gloves	CLN9031XS
HALYARD* <b>PURE</b> ZERO* HG3 Blue Nitrile Gloves	CLN9031SM
HALYARD* <b>PURE</b> ZERO* HG3 Blue Nitrile Gloves	CLN9031MD
HALYARD* <b>PURE</b> ZERO* HG3 Blue Nitrile Gloves	CLN9031LG
HALYARD* <b>PURE</b> ZERO* HG3 Blue Nitrile Gloves	CLN9031XL
HALYARD* <b>PURE</b> ZERO* HG3 White SGX* Nitrile Gloves	CLN3231XS
HALYARD* <b>PURE</b> ZERO* HG3 White SGX* Nitrile Gloves	CLN3231SM
HALYARD* <b>PURE</b> ZERO* HG3 White SGX* Nitrile Gloves	CLN3231MD
HALYARD* <b>PURE</b> ZERO* HG3 White SGX* Nitrile Gloves	CLN3231LG
HALYARD* <b>PURE</b> ZERO* HG3 White SGX* Nitrile Gloves	CLN3231XL
HALYARD* <b>PURE</b> ZERO* HG3 White Sterile Nitrile Gloves	CLN323260
HALYARD* <b>PURE</b> ZERO* HG3 White Sterile Nitrile Gloves	CLN323265
HALYARD* <b>PURE</b> ZERO* HG3 White Sterile Nitrile Gloves	CLN323270
HALYARD* <b>PURE</b> ZERO* HG3 White Sterile Nitrile Gloves	CLN323275
HALYARD* <b>PURE</b> ZERO* HG3 White Sterile Nitrile Gloves	CLN323280
HALYARD* <b>PURE</b> ZERO* HG3 White Sterile Nitrile Gloves	CLN323285
HALYARD* <b>PURE</b> ZERO* HG3 White Sterile Nitrile Gloves	CLN323290
HALYARD* <b>PURE</b> ZERO* HG3 White Sterile Nitrile Gloves	CLN323210



HALYARD* <b>PURE</b> ZERO* HG3 Blue Sterile Nitrile Gloves	CLN923260
HALYARD* <b>PURE</b> ZERO* HG3 Blue Sterile Nitrile Gloves	CLN923265
HALYARD* <b>PURE</b> ZERO* HG3 Blue Sterile Nitrile Gloves	CLN923270
HALYARD* <b>PURE</b> ZERO* HG3 Blue Sterile Nitrile Gloves	CLN923275
HALYARD* <b>PURE</b> ZERO* HG3 Blue Sterile Nitrile Gloves	CLN923280
HALYARD* <b>PURE</b> ZERO* HG3 Blue Sterile Nitrile Gloves	CLN923285
HALYARD* <b>PURE</b> ZERO* HG3 Blue Sterile Nitrile Gloves	CLN923290
HALYARD* PUREZERO* HG3 Blue Sterile Nitrile Gloves	CLN923210

## **HALYARD\* PURE**ZERO\* **HG5 Cleanroom Nitrile Gloves**

Glove Description	<u>Code</u>
HALYARD* <b>PURE</b> ZERO* HG5 White Nitrile Gloves	CLN30512XS
HALYARD* <b>PURE</b> ZERO* HG5 White Nitrile Gloves	CLN30512SM
HALYARD* <b>PURE</b> ZERO* HG5 White Nitrile Gloves	CLN30512MD
HALYARD* <b>PURE</b> ZERO* HG5 White Nitrile Gloves	CLN30512LG
HALYARD* <b>PURE</b> ZERO* HG5 White Nitrile Gloves	CLN30512XL
HALYARD* <b>PURE</b> ZERO* HG5 Blue SGX* Nitrile Gloves	CLN92512XS
HALYARD* <b>PURE</b> ZERO* HG5 Blue SGX* Nitrile Gloves	CLN92512SM
HALYARD* <b>PURE</b> ZERO* HG5 Blue SGX* Nitrile Gloves	CLN92512MD
HALYARD* <b>PURE</b> ZERO* HG5 Blue SGX* Nitrile Gloves	CLN92512LG
HALYARD* <b>PURE</b> ZERO* HG5 Blue SGX* Nitrile Gloves	CLN92512XL

### **HALYARD\* PURE**ZERO\* Nitrile Exam Gloves

Glove Description	<u>Code</u>
HALYARD* <b>PURE</b> ZERO* MARIN* Nitrile Exam Gloves	LFS111XS
HALYARD* <b>PURE</b> ZERO* MARIN* Nitrile Exam Gloves	LFS111SM
HALYARD* <b>PURE</b> ZERO* MARIN* Nitrile Exam Gloves	LFS111MD
HALYARD* <b>PURE</b> ZERO* MARIN* Nitrile Exam Gloves	LFS111LG
HALYARD* <b>PURE</b> ZERO* MARIN* Nitrile Exam Gloves	LFS111XL
HALYARD* <b>PURE</b> ZERO* MARIN-XTRA* Nitrile Exam Gloves	LFS121XS
HALYARD* <b>PURE</b> ZERO* MARIN-XTRA* Nitrile Exam Gloves	LFS121SM
HALYARD* <b>PURE</b> ZERO* MARIN-XTRA* Nitrile Exam Gloves	LFS121MD
HALYARD* <b>PURE</b> ZERO* MARIN-XTRA* Nitrile Exam Gloves	LFS121LG
HALYARD* <b>PURE</b> ZERO* MARIN-XTRA* Nitrile Exam Gloves	LFS121XL
HALYARD* <b>PURE</b> ZERO* LIMON* Nitrile Exam Gloves	LFS311XS
HALYARD* <b>PURE</b> ZERO* LIMON* Nitrile Exam Gloves	LFS311SM
HALYARD* <b>PURE</b> ZERO* LIMON* Nitrile Exam Gloves	LFS311MD



HALYARD* <b>PURE</b> ZERO* LIMON* Nitrile Exam Gloves	LFS311LG
HALYARD* <b>PURE</b> ZERO* LIMON* Nitrile Exam Gloves	LFS311XL
HALYARD* <b>PURE</b> ZERO* LIMON-XTRA* Nitrile Exam Gloves	LFS321XS
HALYARD* <b>PURE</b> ZERO* LIMON-XTRA* Nitrile Exam Gloves	LFS321SM
HALYARD* <b>PURE</b> ZERO* LIMON-XTRA* Nitrile Exam Gloves	LFS321MD
HALYARD* <b>PURE</b> ZERO* LIMON-XTRA* Nitrile Exam Gloves	LFS321LG
HALYARD* <b>PURE</b> ZERO* LIMON-XTRA* Nitrile Exam Gloves	LFS321XL
HALYARD* <b>PURE</b> ZERO* ULTRA VIOLET* Nitrile Exam Gloves	LFS511XS
HALYARD* <b>PURE</b> ZERO* ULTRA VIOLET* Nitrile Exam Gloves	LFS511SM
HALYARD* <b>PURE</b> ZERO* ULTRA VIOLET* Nitrile Exam Gloves	LFS511MD
HALYARD* <b>PURE</b> ZERO* ULTRA VIOLET* Nitrile Exam Gloves	LFS511LG
HALYARD* <b>PURE</b> ZERO* ULTRA VIOLET* Nitrile Exam Gloves	LFS511XL

#### **HALYARD\* PURE**ZERO\* Nitrile Gloves

Glove Description	<u>Code</u>
HALYARD* <b>PURE</b> ZERO* MARIN* Nitrile Gloves	LFS1117XS
HALYARD* <b>PURE</b> ZERO* MARIN* Nitrile Gloves	LFS1117SM
HALYARD* <b>PURE</b> ZERO* MARIN* Nitrile Gloves	LFS1117MD
HALYARD* PUREZERO* MARIN* Nitrile Gloves	LFS1117LG
HALYARD* <b>PURE</b> ZERO* MARIN* Nitrile Gloves	LFS1117XL
HALYARD* <b>PURE</b> ZERO* LIMON* Nitrile Gloves	LFS3117XS
HALYARD* <b>PURE</b> ZERO* LIMON* Nitrile Gloves	LFS3117SM
HALYARD* <b>PURE</b> ZERO* LIMON* Nitrile Gloves	LFS3117MD
HALYARD* <b>PURE</b> ZERO* LIMON* Nitrile Gloves	LFS3117LG
HALYARD* <b>PURE</b> ZERO* LIMON* Nitrile Gloves	LFS3117XL
HALYARD* <b>PURE</b> ZERO* ULTRA VIOLET* Nitrile Gloves	LFS5117XS
HALYARD* <b>PURE</b> ZERO* ULTRA VIOLET* Nitrile Gloves	LFS5117SM
HALYARD* <b>PURE</b> ZERO* ULTRA VIOLET* Nitrile Gloves	LFS5117MD
HALYARD* PUREZERO* ULTRA VIOLET* Nitrile Gloves	LFS5117LG
HALYARD* PUREZERO* ULTRA VIOLET* Nitrile Gloves	LFS5117XL

Based on the ANSI/ESD STM15.1:2019 test results from an external laboratory at conditions of 12% RH and 23°C, all **HALYARD\* PURE**ZERO**\* Nitrile Glove** product families listed above are within the dissipative classification range (Resistance =  $10^4$  to  $10^{11}$  ohms) as defined by ANSI/ESD standards.

Therefore, **HALYARD\* PURE**ZERO**\* Nitrile Gloves** are considered to be static dissipative in-use. Please note that this is based on a standardized test method in a laboratory environment, and the resistance test results and classification do not fully characterize the glove for all electrostatic properties. Other electrostatic properties, such as charge accumulation, and specific process conditions may need to be assessed based on your particular application prior to use.



Thank you for your interest in Halyard products. If you have any questions or need additional information, please do not hesitate to contact us at <u>PIQ@hyh.com</u> or call us directly at (844) 425-9273.

Sincerely,

**Caitlin Senter** 

Director

**Global Regulatory Affairs** 

O&M Halyard, Inc.

Ryan Solan

Manager

Global Research and Development

O&M Halyard, Inc.

Ryan Solan



RE: Compliance statement – HALYARD\* PUREZERO\* Nitrile Gloves

Please be advised that to the best of O&M Halyard knowledge, the **PURE**ZERO\* HG3 Nitrile Gloves and HALYARD\* **PURE**ZERO\* HG5 Nitrile Gloves are produced entirely from materials of synthetic origin and therefore are free from human or any other animal derived materials including bovine products (Bovine Spongiform Encephalopathy (BSE) and Transmissible Spongiform Encephalopathy (TSE)).

 Under various environmental protection and product safety regulations, directives, standards, and initiatives "intentionally introduced" means "deliberately utilized during the manufacture of the components and/or for the formulation of a material or component where its continued presence is desired in the final product to provide a specific property, appearance or quality."

This information is based on O&M Halyard, Inc.'s knowledge of these products at the time of publication.

If you have any questions or need additional information, please do not hesitate to contact us at <a href="PIQ@hyh.com">PIQ@hyh.com</a> or call us directly at (844) 425-9273.

-This statement is valid unsigned -

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March 14<sup>th</sup>, 2023

RE: HALYARD\* PUREZERO\* Nitrile Gloves

Dear Valued Customer,

This letter is in response to your recent inquiry regarding storage conditions of **HALYARD\* PURE**ZERO\* **Nitrile Gloves.** 

As displayed by the indications on the packaging labeling, HALYARD\* PUREZERO\* Nitrile Gloves shall be stored in conditions where the product is kept dry (away from moisture), away from direct sunlight, away from sources of heat, and away from radioactive sources. To reduce the potential of accelerated aging, it is recommended to store the product at standard room temperature conditions, when possible.

Thank you for your interest in HALYARD\* products. If you have any questions or need additional information, please do not hesitate to contact us at PIQ@hyh.com or call us directly at (844) 425-9273.

Sincerely,

Ryan Solan

Ryan Solan

R&D Senior Engineer Global Research and Development O&M Halyard, Inc. Theresa McCoy

Global Product Manager Global Strategic Marketing O&M Halyard, Inc.

Theresa McCoy

<sup>\*</sup>Registered Trademark or Trademark of O&M Halyard or its affiliates.



September 24, 2023

#### RE: HALYARD\* PUREZERO\* HG3 and HG5 Nitrile Gloves

Dear Valued Customer,

This letter is in response to your recent inquiry regarding the presence of silicone for the **PURE**ZERO\* HG3 White Nitrile Gloves, **PURE**ZERO\* HG3 White SGX\* Nitrile Gloves, **PURE**ZERO\* HG3 Light Blue Nitrile Gloves, **PURE**ZERO\* HG3 Sterile White Nitrile Gloves, HALYARD\* **PURE**ZERO\* HG5 White Nitrile Gloves, and HALYARD\* **PURE**ZERO\* HG5 Blue SGX\* Nitrile Gloves.

According to ASTM E1252 Standard Practice for General Techniques for Obtaining Spectra for Qualitative Analysis, the results below reflect the detectable limits of silicone covering the spectral range from 4000cm<sup>-1</sup> to 50cm<sup>-1</sup>- via FT-IR (Fourier Transform Infrared Anaysis). The results below indicate that the HALYARD\* **PURE**ZERO\* HG3 NITRILE GLOVES and HALYARD\* **PURE**ZERO\* HG5 NITRILE GLOVES have no silicone

detectable on the outside surface and inside surface of either gloves sampled per 3<sup>rd</sup> party testing.

The following product codes are applicable: **PURE**ZERO\* HG3 White Nitrile Gloves: CLN92512XS, CLN92512SM, CLN92512MD, CLN92512LG, CLN92512XL; **PURE**ZERO\* HG3 Light Blue Nitrile Gloves: CLN90511XS, CLN90511SM, CLN90511MD, CLN90511LG, CLN90511XL; **PURE**ZERO\* HG3 White SGX\* Nitrile Gloves: CLN3031XS, CLN3031SM, CLN3031MD, CLN3031LG, CLN3031XL; PUREZERO\* HG3 Sterile White Nitrile Gloves: CLN323260, CLN323265, CLN323270, CLN323275, CLN323280, CLN323290, CLN323210; **PURE**ZERO\* HG3 Sterile Light Blue Nitrile Gloves: CLN923260, CLN923265, CLN923275, CLN923280, CLN923285, CLN923290, CLN923210; HALYARD\* **PURE**ZERO\* HG5 White Nitrile Gloves: CLN30512XS, CLN30512XM, CLN30512MD, CLN30512LG, and CLN30512XL; HALYARD\* **PURE**ZERO\* HG5 Blue SGX\* Nitrile Gloves: CLN92512XS, CLN92512XS, CLN92512XS, CLN92512XD, CLN92512LG, and CLN92512LLG, and CLN92512XL.

Fourier Transform Infrared Anaysis (FT-IR) Per ASTM E1252-98(21)	
Gloves	Results
PUREZERO* HG3 and HG5	
Nitrile Gloves	No silicon detected

Thank you for your interest in Halyard products. If you have any questions or need additional information, please do not hesitate to contact us at PIQ@hyh.com or call us directly at (844) 425-9273.

Sincerely

COPY-04662

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Caitlin Senter

Director

**Global Regulatory Affairs** 

O&M Halyard, Inc.

Nimia Maya

R&D Engineer II

Global Research and Development

O&M Halyard, Inc.

Mining Mayor

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October 2023

Owens & Minor

TITLE: HALYARD\* PUREZERO\* HG3 & HG5 Nitrile Gloves Packaging

**UPDATE:** Alternate packaging supplier for HALYARD\* **PURE**ZERO\* HG3 and HG5 Nitrile Gloves

WHAT YOU NEED TO KNOW:

There will be an alternate supplier for the packaging (poly bag, poly pouch and poly wallet) used for

**HALYARD\* PURE**ZERO\* **HG3 and HG5 Nitrile Gloves** 

WHAT YOU CAN EXPECT:

There is an alternate supplier being qualified to supply the poly bag, poly pouch and poly wallet used to package HALYARD\* PUREZERO\* HG3 and HG5 Nitrile Gloves. The alternate supplier, TAKO Astatic Technology SDN BHD, will supply the same packaging as our current supplier, Tip Corporation SDN BHD. All specifications for the packaging, including the material, composition, dimensions, thickness, and ink, will be identical to the current packaging. There will be no change to the appearance of the packaging or printing. There will be no change to the sterilization process or the sterility assurance level of the products. Additionally, there will be no changes to the product

codes or product labeling.

**TIMING OF CHANGE:** There will be a rolling change for the alternate supplier's packaging that will enter our inventory as early as December 2023. Both packaging vendors could be used based on supply chain availability.

1 Edison Drive, Alpharetta, GA 30005 | 844.425.9273 owens-minor.com | halyardhealth.com | byramhealthcare.com

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## PRODUCTS IMPACTED BY THIS CHANGE:

PUREZERO* HG3 White Nitrile Gloves	
CODE	
CLN3031XS	
CLN3031SM	
CLN3031MD	
CLN3031LG	
CLN3031XL	
PUREZERO* HG3 Light Blue Nitrile Gloves	
CODE	
CLN9031XS	
CLN9031SM	
CLN9031MD	
CLN9031LG	
CLN9031MD	
PUREZERO* HG3 White SGX* Nitrile Gloves	
CODE	
CLN3231XS	
CLN3231SM	
CLN3231MD	
CLN3231LG	
CLN3231XL	
PUREZERO* HG3 White Sterile Nitrile Gloves	
CODE	
CLN323260	
CLN323265	
CLN323270	
CLN323275	
CLN323280	
CLN323285	
CLN323290	
CLN323210	
PUREZERO* HG3 Light Blue Sterile Nitrile Gloves	
CODE	
CLN923260	
CLN923265	
CLN923270	
CLN923275	
CLN923280	
CLN923285	
CLN923290	
CLN923210	

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PUREZERO* HG5 White Nitrile Gloves	
CODE	
CLN30512XS	
CLN30512SM	
CLN30512MD	
CLN30512LG	
CLN30512XL	
PUREZERO* HG5 Blue SGX* Nitrile Gloves	
CODE	
CLN92512XS	
CLN92512SM	
CLN92512MD	
CLN92512LG	
CLN92512XL	

Thank you for your interest in HALYARD\* products. If you have any questions or need additional information including example certifications, please do not hesitate to contact us at <a href="PIQ@hyh.com">PIQ@hyh.com</a>, call us directly at 1-844-425-9273 or reach out to your O&M Halyard commercial representative or distributor.

Sincerely,

**Gustavo Fiallos** 

Director Global Quality Operations, Owens & Minor

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