

# ULTRACLEAN ECO 290mm CLEANROOM CR1000 NITRILE GLOVE



## Reliable protection for clean environments

ULTRACLEAN ECO CR1000 Nitrile is a clean nitrile glove with low levels of ionic content and particles - for reliable product protection. Designed for use in Class 1000 / ISO 6 Cleanroom Environments.

- Compatible with Class 1000 (ISO 6)
- Low levels of ionic content and particles for excellent product protection



### Industries

- Biotechnology Manufacturing Medical Device
- Manufacturing Electronics Manufacturing

### Recommended For

- Cleanroom cleaning and preparing
- Blending, compounding solids and liquids
- Spill or leakage cleanup
- Transferring liquids and solids
- Loading centrifuges and chromatography columns
- Assembly of parts
- Weighing and dispensing of solid and liquid raw materials

#### Great Utopian Sdn Bhd

No 17, Jalan i-Park ½  
Kawasan Perindustrian i-Park, Indahpura,  
81000 Kulai, Johor, Malaysia.

#### Great Utopian (S) Pte Ltd

220 Tagore Lane  
Liberty Warehouse #01-02  
Singapore 787600

# ULTRACLEAN ECO

## 290mm CLEANROOM CR1000

### NITRILE GLOVE



## TECHNICAL DATA SHEET

### Product Information

	Nitrile Glove
Material	Nitrile Butadiene Rubber
Color	White
Shape	Ambidextrous
Packaging	100 gloves per double bagged inner polybag; 1 inner bag per master polybag;  10 master polybags per (1000 gloves) per liner bag.
Storage	Keep out of direct sunlight; store in a cool and dry place. Keep away from sources of ozone origination.
Country of Origin	Malaysia
Available Sizes	XS, S, M, L, XL
Special Features	Single Chlorinated
Internal Gloves Surface	Powder-Free
Cleanroom Class	Class 1000 / ISO 6
Shelf Life	3 years
Tested For Use With Chemotherapy Drugs	No
Protein Level	N/S: contains no natural rubber latex
Anti-static	Static Dissipative

# ULTRACLEAN ECO

## 290mm CLEANROOM CR1000

### NITRILE GLOVE



#### PHYSICAL PROPERTIES

Sizes/Specification	Small	Medium	Large	Testing Method
Length (mm/in)(+/- 10mm)	290/11.4	290/11.4	290/11.4	Ruler
Palm Width (mm/in)(+/- 3mm)	85/3.3	95/3.7	105/4.1	Ruler
Glove Weight (gm)(+/-0.3g)	5.5	6.0	6.5	Weighing Scale

Freedom From Holes	2.5 AQL	EN 455-1/ ASTM D3577
Typical Particle Count ≥ 0.5µm (counts/cm <sup>2</sup> )	< 3,000 particles/cm <sup>2</sup>	IEST-RP-CC005.4
Minimum Single Wall Finger Thickness (mm/mil)(+/- 0.02mm)	0.14 / 5.5 mil	EN 420/ ASTM D3767
Minimum Single Wall Palm Thickness (mm/mil)(+/- 0.02mm)	0.12 / 4.7 mil	EN 420/ ASTM D3767
Minimum Single Wall Cuff Thickness (mm/mil)(+/- 0.02mm)	N/A	EN 420/ ASTM D3767

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

# ULTRACLEAN ECO 290mm CLEANROOM CR1000 NITRILE GLOVE



## DISPOSABLE NITRILE CLEANROOM GLOVES TECHNICAL DATA SHEET

Parameter	Class 1000 / ISO 6
Chloride, $Cl^-$	< 3.00ug/cm <sup>2</sup>
Nitrate, $NO_3^-$	< 2.50ug/cm <sup>2</sup>
Sulphate, $SO_4^{2-}$	< 2.00ug/cm
Fluoride, $F^-$	< 0.08ug/cm <sup>2</sup>
Bromide, Br	< 0.125ug/cm <sup>2</sup>
Potassium, K	< 0.100ug/cm <sup>2</sup>
Magnesium, Mg	< 0.006ug/cm <sup>2</sup>
Sodium, Na	< 0.10ug/cm <sup>2</sup>
TNVR (solvent)	< 25ug/cm <sup>2</sup>

## OTHER PARAMETERS

Parameter	Class 1000
Silicone, Amide, DOP by FTIR	Not Detected
Surface Resistivity	max 1.0x10E09
Triboelectric Charge	Max 50volts
Static Decay	<0.5 Seconds



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**BIOCHEM Laboratories Sdn Bhd**  
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Page : 1 of 2  
Issue Date : 13-Aug-2025  
Lab Ref. No. : BC/L2508/0451-1

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Kawasan Perindustrian 1-Park  
Bandar Indahpura  
81000 Kulai, Johor, Malaysia

**CERTIFICATE OF ANALYSIS**

Sample Received Date : 11-Aug-2025  
Type of Sample : Cleanroom Nitrile Glove UCD25080310A M-12"

**RESULTS OF ANALYSIS**

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

**Remark(s):**

Test Method Based on IEST-RP-CC005.4

**ChM. Oon Leay Shee (Grace)**  
Chemist  
B. Sc. (HONS), MMIC (M/3217/6029/11)

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



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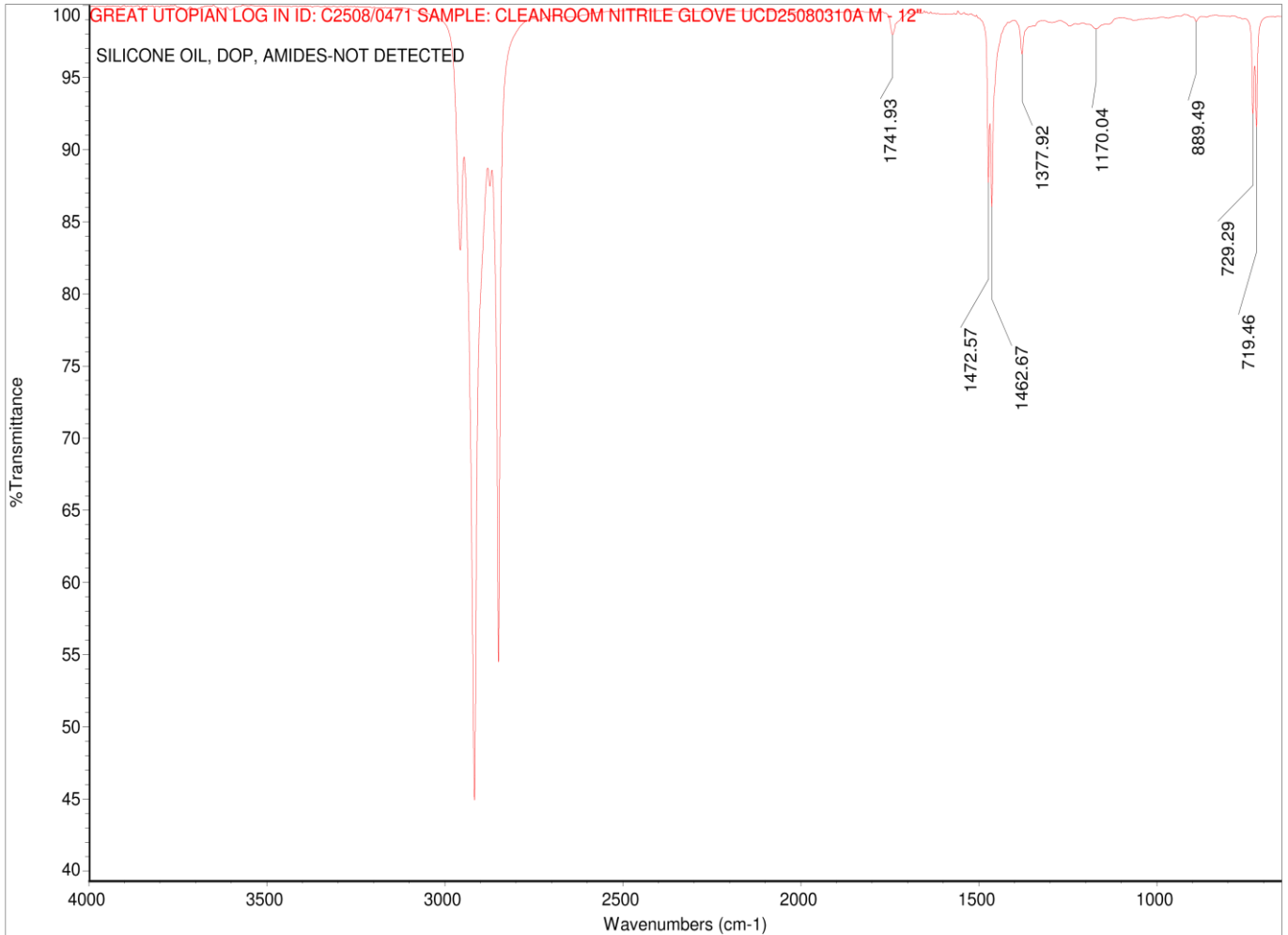
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81000 Kulai, Johor, Malaysia

### CERTIFICATE OF ANALYSIS

Sample Received Date : 11-Aug-2025  
Type of Sample : CLEANROOM NITRILE GLOVE UCD25080610A M - 12"

### RESULTS OF ANALYSIS

Parameter(s)	Unit	Result(s)
Fluoride	$\mu\text{g}/\text{cm}^2$	<0.001
Chloride	$\mu\text{g}/\text{cm}^2$	0.322
Nitrite	$\mu\text{g}/\text{cm}^2$	0.001
Bromide	$\mu\text{g}/\text{cm}^2$	<0.001
Nitrate	$\mu\text{g}/\text{cm}^2$	0.299
Phosphate	$\mu\text{g}/\text{cm}^2$	<0.001
Sulphate	$\mu\text{g}/\text{cm}^2$	0.042
Lithium	$\mu\text{g}/\text{cm}^2$	<0.001
Sodium	$\mu\text{g}/\text{cm}^2$	0.080
Ammonium	$\mu\text{g}/\text{cm}^2$	0.008
Potassium	$\mu\text{g}/\text{cm}^2$	0.088
Magnesium	$\mu\text{g}/\text{cm}^2$	0.004
Calcium	$\mu\text{g}/\text{cm}^2$	0.349

### **Remark(s):**

Test Method Based on IEST-RP-CC005.4  
Surface Area of 1 glove used for calculation: 1305  $\text{cm}^2$

**ChM. Rabiatul Adawiah Bt Mohamad Nasruddin**  
Chemist  
B. Sc. (HONS), MMIC (M/5860/9022/21/21)

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Bandar Indahpura  
81000 Kulai, Johor, Malaysia

### CERTIFICATE OF ANALYSIS

Sample Received Date : 18-Aug-2025  
Type of Sample : Cleanroom Nitrile Glove UCD25080710F M - 12"

### RESULTS OF ANALYSIS

Parameter(s)	Unit	Samples(s)	Result(s)
Liquid Particle Count ( $\geq 0.5 \mu\text{m}$ )	particles/cm <sup>2</sup>	Data 1	2342
		Data 2	2372
		Data 3	2272
		Average	2329

### Remark(s):

Test Method Based on IEST-RP-CC005.4  
Surface Area of 1 glove used for calculation: 1387 cm<sup>2</sup>

**ChM. Oon Leay Shee (Grace)**  
Chemist  
B. Sc. (HONS), MMIC (M/3217/6029/11)

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# ESD CONSULTING

7 Temasek Boulevard, #12-07,  
Suntec Tower One,  
038987 Singapore



Report Link

## ESD PRODUCT QUALIFICATION REPORT

### Customer

Great Utopian Sdn Bhd  
No 3418, Jalan Pekeliling Tanjung 27/1,  
Kawasan Perindustrian Indahpura,  
81000 Kulai, Johor.

### Report Details

Report No. : EQ-2508-04  
Receive Date : 16-Aug-25  
Conditioning : >48hr  
Test Date : 18-Aug-25

### ESD Control Item

Name : CR1000 12in Nitrile Glove  
Brand : Ultraclean  
Model : (Datasheet as attached)

### Environment Conditions

Temperature : 23.1 °C  
Relative Humidity : 12.1 %RH

### Calibrated Equipment in Use

No	Test Equipment	Brand/Model	Serial No	Next Due Date
1	Surface Resistance Meter	ACL 800	R092666	15-Nov-25
2	Digital Thermohygrometer	TASI 622B	23026514	13-Nov-25

### Conclusion

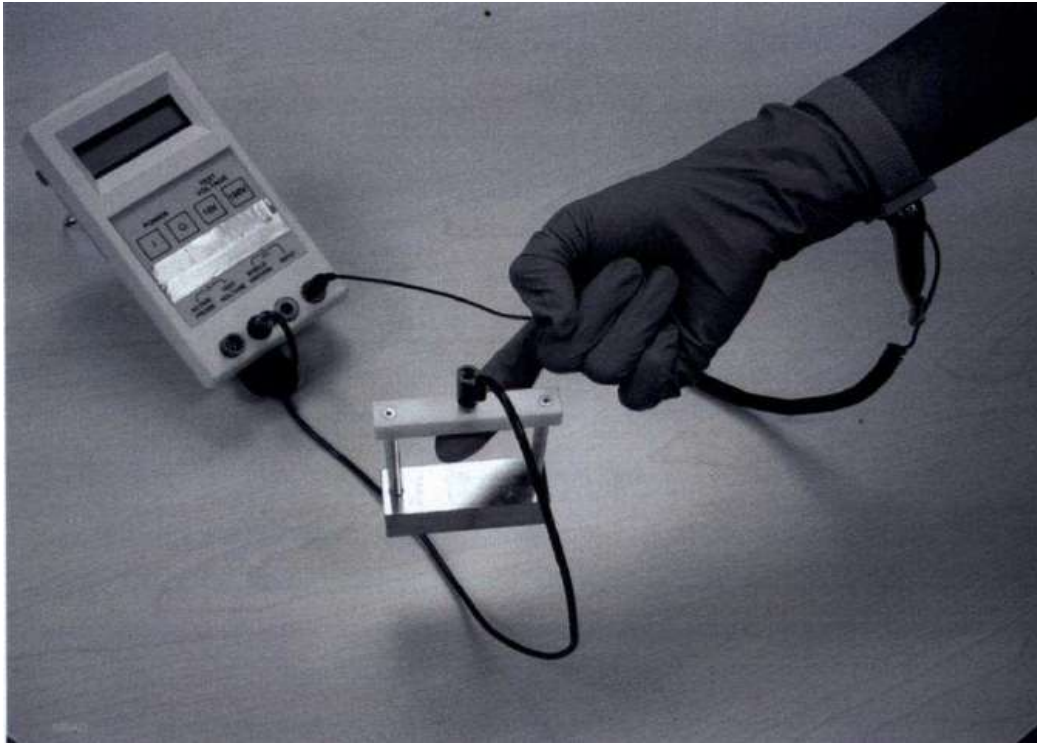
I hereby certify that the glove under test  
**PASS** the requirement as per ESD STM15.1.

### Certified By

.....  
*Justin Ong*  
*iNarte Certified Engineer*  
*ESD-00637-NE*

# ESD PRODUCT QUALIFICATION REPORT

Test Method: ANSI/ESD STM15.1



## Test Limit & Test Results

Resistance Measurement Testing with CAFÉ (ohm)					
Sample	Test Point 1	Test Point 2	Test Point 3	Test Point 4	Test Point 5
1 - Left	2.00E+08	1.89E+08	2.37E+08	2.51E+08	2.62E+08
1 - Right	2.05E+08	2.12E+08	2.21E+08	1.78E+08	2.51E+08
2 - Left	2.68E+08	2.22E+08	2.22E+08	2.66E+08	2.55E+08
2 - Right	2.03E+08	2.53E+08	2.32E+08	2.78E+08	2.65E+08
3 - Left	2.54E+08	2.27E+08	2.26E+08	2.88E+08	2.48E+08
3 - Right	2.66E+08	2.19E+08	2.52E+08	2.82E+08	2.43E+08

<b>Tribocharge Measurement</b>	< 40 V
<b>Decay Time Measurement</b>	0.1 seconds

Min	1.78E+08
Max	2.88E+08
Specs Limit	1.00E+11
Status	Pass

# ESD PRODUCT QUALIFICATION REPORT

## CALIBRATION CERTIFICATE



# CALTEK PTE LTD

23 Tagore Lane, #04-08/09/10/11 Tagore 23 Warehouse, Singapore 787601  
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www.caltekgroup.com | info@caltekgroup.com

## CALIBRATION CERTIFICATE

CERTIFICATE NUMBER : CES 1670M-24      JOB NUMBER : CCJR 24-8516  
DATE RECEIVED : 11-Nov-24      ISSUE DATE : 15-Nov-24

Instrument	: ENVIRONMENT & MEGOHMMETER	Ambient Temperature	: (23 ± 5) °C
Manufacturer	: STATICIDE	Relative Humidity	: (55 ± 10) % r.h.
Model No.	: 800	Date Calibrated	: 15-Nov-24
Part No.	: ---	Recommended Due Date	: 15-Nov-25
Serial No.	: R092666		
Customer	: ESD CONSULTING	Range	: ---
	Blk 502 Bedok North Street 3,	( Tag No. )	: ---
	#12-68	Page	: 1 of 2
	Singapore 460502	Status	: As Found

The described instrument has been calibrated at **Caltex Laboratory** under the ambient conditions stated above.

This certificate provides traceability of measurement to the International System of Units (SI) and/or to units of measurement realised at the National Metrology Centre (NMC), Singapore or other recognized national metrology institutes.

**METHOD** : The calibration method was carried out according to In-house Technical Calibration Procedure CTTM - E03 & E11:2007 as a guide.

<u>REFERENCE INSTRUMENT(S)</u>	<u>SERIAL NO</u>	<u>DUE DATE</u>
1. High Voltage Resistance Standard	03L-0580	24-Apr-27

### RESULTS OF CALIBRATION

1. The results of calibration are given on the attached calibration data sheet(s).
2. The expanded uncertainty of measurement associated with the calibration is estimated at a level of confidence of approximately 95 % with a coverage factor of  $k=2.00$ .
3. The user should determine the suitability of the instrument for its intended use.

Calibrated by :  
ANANDHA GUKAN.S  
EMP ID : 1300

Approved by :  
MOHAN VASANTH  
EMP ID : 1124

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"The results reported herein have been performed in accordance with the terms of accreditation under the Singapore Accreditation Council".



# ESD PRODUCT QUALIFICATION REPORT

## CALIBRATION CERTIFICATE



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Tel: (65) 64520300 Fax: (65) 64520500  
Email: info@caltekgroup.com Website: www.caltekgroup.com

## CALIBRATION CERTIFICATE

<b>CERTIFICATE NUMBER</b> :	CTS 2719-24	<b>JR NO</b> :	JR-18092
<b>INSTRUMENT CODE</b> :	100024-15226	<b>PAGE NUMBER</b> :	1 of 2

Instrument :	TEMPERATURE HUMIDITY METER	Ambient Temperature :	(23±5)°C
Manufacturer :	TASI	Relative Humidity :	(55±10)%r.h.
Model No :	622B	Received Date :	11-Nov-24
Part No :	-	Date of Calibration :	13-Nov-24
Serial No :	23026514	Recommended Due Date :	13-Nov-25
Range :	-	Issue Date :	13-Nov-24
Asset/Tag/Id/Code :	-	Job Number :	CCJR24-8516
Customer :	ESD CONSULTING, Blk 502 Bedok North Street 3, #12-68, Singapore 460502		

The described instrument has been calibrated at Caltek laboratory under the ambient conditions stated above.

This certificate provides traceability of measurement to the International System of Units (SI) and/or to units of measurement realised at the National Metrology Centre (NMC), Singapore or other recognized national metrology institutes.

The calibration method was carried out according to In-house Technical Calibration Procedure CTTM-T17:2007, as guide.

S.No.	REFERENCE INSTRUMENT(S)	SERIAL NO	DUE DATE
1	Hydrogen	20153292	14-Jul-25

### Results of Calibration

1. The expanded uncertainty of measurement associated with the calibration is estimated at a level of confidence of approximately 95% with a coverage factor of  $k=2.00$ .
2. The user should determine the suitability of the instrument for its intended use.
3. No Adjustments done.

<b>Calibrated By :</b> Krishna Veni EMP ID : 1322 	<b>Approved By :</b> Kaartigeish Sivaraman EMP ID : 1112 
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# ESD PRODUCT QUALIFICATION REPORT

## iNarte Certificate

