



# Nitrile Gloves, Powder-Free

## Art. No 1999905271-1999905275

### *Classic* Nitrile Glove, Powder-Free Blue



#### **Description**

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Examination gloves Nitrile (Nitrile Butadiene Rubber)  
Powder-Free  
Non-sterile  
Blue  
Micro-textured fingertips  
With rolled cuff  
Suitable for food handling  
Produced for Abena A/S, Denmark, in China under ISO 9001, ISO 13485 and ISO 14001

#### **CE**

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Dual CE-labelled according to EU MDR 2017/745  
PPE Regulative EU2016/425, Type B certification Class I and CAT III  
AQL 1.5 according to the requirements in the harmonised standard EN 455-1

#### **Standards**

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EN 455-1, 2, 3 & 4  
EN ISO 374-1:2016  
EN 16523-1:2015+A1:2018  
EN ISO 374-3:2003  
EN ISO 374-4:2019  
EN ISO 374-5:2016 VIRUS  
EN ISO 21420:2020  
ASTM D 6978-05

#### **Storage and handling**

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Storage: 5-40°C  
Handling: Avoid heat, humidity, direct sunlight and ozone  
Shelf life: 5 years from production date

#### **Thickness**

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Palm	min. 0,06 mm
Fingers	min. 0,07 mm



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### Physical properties

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Force at break	Before challenge testing	6 Newton
	After challenge testing at 70°C for 166 hours	6 Newton
	Through shelf life	6 Newton
Elongation	Before challenge testing	min. 500%
	After challenge testing at 70°C for 166 hours	min. 400%

### Tests performed

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Air and water leak test  
Sensitization test  
Irritation test  
Cytotoxicity  
Chemical residual  
Force at break  
Powder residual  
Virus penetration  
Bacteria and fungi test  
Food approval (please see separate food datasheet)  
Chemical and cytostatica permeation (see list of results below in this datasheet)

### Composition

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Chemical	CAS
Nitrile	9010-81-5
Sulphur	7704-34-9
Zinc oxide	1314-13-2
ZDBC	136-23-2
ZDEC	14324-55-1
Titanium dioxide	13463-67-7
Wingstay-L Antioxidant	68610-51-5
Potassium Hydroxide	1310-58-3
Hindered Phenolic Antioxidant	27676-62-6
Blue pigment	-
Calcium stearate dispersion	1592-23-0



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### Chemical Permeation test

Chemical	CAS number	Permeation time	Level
Ammonium hydroxide 25% (O)	1336-21-6	21-30 min.	1
Sodium hydroxide 40% (K)	1310-73-2	>480 min.	6
Formaldehyde 37% (T)	50-00-0	>480 min	6
N-Heptane (J)	142-82-5	67 min.	3
Hydrogen peroxide 30% (P)	7722-84-1	>240 min.	4
Methanol (A)	67-56-1	<5 min.	0
Sulphuric acid (M)	7664-93-9	<5 min.	0
Dichlormethane (D)	75-09-02	<5 min.	0
Chlorhexidine digluconate 4%	18482-51-0	>480 min	6
Hydrochloric acid 36%	7647-01-0	28 min.	1
Ethanol 70%	64-17-5	27 min.	1
Ethidium bromide 1%	1239-45-8	25 min	1
Formalin 4% in methanol	50-00-0	>480 min.	6
Isopropanol 45%	67-33-0	46 min	2
Isopropanol 70%	67-63-0	37 min.	2
Methanol 2%	67-56-1	>480 min.	6
Peracetic acid 38-40%	79-21-0	11 min.	1
Citric Acid 15%	77-92-9	>480 min.	6
Glutaraldehyde 10%	111-30-8	>480 min.	6
Hydrofluoric Acid 40%	7664-39-3	3 min.	0

Test method used: EN16523-1:2015

Cytostatica	Permeation time	Level
Carmustine 3.300 ppm	35 min.	2
Cisplatin 1.000 ppm	>240 min.	5
Cyclophosphamide 20.000 ppm	>240 min.	5
Dacarbazine 10.000 ppm	>240 min.	5
Doxorubicin Hydrochloride 2.000 ppm	>240 min.	5
Etoposide 20.000 ppm	>240 min.	5
Flourouracil – 50.000 ppm	>240 min.	5
Mechlorethamine HCl 1.000 ppm	>240 min.	5
Methotrexate 25.000 ppm	>240 min.	5
Mitomycin C 500 ppm	>240 min.	5
Paclitaxel (taxol) 6.000 ppm	>240 min.	5
Thio-Tepa 10.000 ppm	29,2 min.	1
Vincristine sulfate 1.000 ppm	>240 min.	5

Test method used: ASTM D 6978-05



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## Art. No 1999905271-1999905275

Art. no.	Product	Size	Palm mm (+/-5)	Length mm (+/-5)	Quantity Dispenser/carton
1999905271	X-small	5-6	75	240	100/1000
1999905272	Small	6-7	85	240	100/1000
1999905273	Medium	7-8	95	240	100/1000
1999905274	Large	8-9	105	240	100/1000
1999905275	X-Large	9-10	115	240	100/1000