



# Nitrile gloves, powder-free

## Art. No. 290431, 3924-3927

### *Excellent* Nitrile Glove, Powder free, Long



#### **Description**

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Examination gloves Nitrile (Nitrile Butadiene Rubber)  
Powder-free  
Non-sterile  
Blue  
Long cuff  
Micro-textured fingertips  
With rolled cuff  
Approved for food handling  
Produced for Abena A/S, Denmark, in Malaysia under ISO 9001, ISO 13485, ISO14001

#### **CE**

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Dual CE-labelled according to :  
Medical Device regulation (EU)2017/745 Class I  
PPE Regulation (EU)2016/425, Type B CAT III  
AQL 1.0 according to the requirements in the harmonised standard EN 455-1

#### **Standards**

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EN 455-1, 2, 3 & 4  
EN 374-1:2016+A1:2018  
EN 374-2:2015  
EN 374-3:2003  
EN 374-4:2013  
EN 16523-1: 2015 + A1:2018  
EN 374-5:2016 VIRUS  
EN 420:2003+A1 2009  
EN 421:2010  
ASTM D6978-05:2013  
ASTM D6319-10:2015  
ASTM D6124-06 :2011  
ASTM F1671-13

#### **Thickness**

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Palm	0.09 mm (+/- 0.02)
Fingers	0.14 mm (+/- 0.02)



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### **Storage and handling**

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Storage: 5-40°C

Handling: Avoid heat, humidity, bright light and ozone

Shelf life: 5 years from production date

### **Physical properties**

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Force at break

Before challenge testing	9 Newton
After challenge testing at 70°C for 166 hours	6 Newton

Elongation

Before strain	min. 500%
After strain testing at 70°C for 166 hours	min. 400%

### **Tests performed**

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Air Leak Test and Water Leak test

Sensitization test

Irritation test

Cytotoxicity

Residual chemicals

Force at break

Microbiology

Penetration

Powder residuals

Virus penetration

Bacteria and fungi

Chemicals Residue test

Determination of PAHs

Food approval (please see separate food datasheet)

Chemical, cytostatica and antibiotic permeation (see list of results below in this datasheet)

### **Composition**

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Chemical	CAS
Nitrile NBR	9010-81-5
Sodium Dodecylbenzenesulfonate (SDBS)	85117-50-6
Sulphur	7704-34-9
Zinc oxide	1314-13-2
ZDBC	136-23-2
Titanium dioxide	13463-67-7
Wax Emulsion	-
Pigment	147-14-8 & 6358-30-1



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Chemical	CAS number	Permeation time	Class
1,2 dichloroethana		<1 min.	0
2-Hydroxyethyl methacrylate 97%		10 min.	1
0.5 M iodine solution	7553-56-2	>480 min.	6
2-Mercaptoethanole	60-24-2	3 min.	0
Acetic Acid 10%		241 min.	5
Acetonitrile >99%	75-05-8	<1 min.	0
Acrylamide 40%	79-06-1	>480 min.	6
Ammonia 25%	1336-32-6	13 min.	1
Chlorine 1.000 ppm		>480 min.	6
Chlorhexidine 4%	55-56-1	>480 min.	6
Chlorhexidine Gluconate 4%	18472-51-0	>480 min.	6
Citric Acid 15%		>480 min.	6
Cyclohexanol	108-93-0	68 min.	3
Dichloromethane >99%	75-09-2	<1 min.	0
Diethylamine	109-87-7	<1 min.	0
Diurethane dimethacrylate		320 min.	5
Ethanol 70 %	64-17-5	87 min.	3
Ethanol 80 %	64-17-5	15 min.	1
Ethidium bromide 1%	1239-45-5	>480 min.	6
Ethyl Acetate >99%	141-78-6	<1 min.	0
Formamide 40%	75-12-7	>480 min.	6
Formaldehyde 37% in Methanol 10%	50-00-0	>120 min.	3
Formaldehyde/Formalin 37%	50-00-0	>480 min.	6
Formic Acid 12,5%	64-18-6	240 min.	4
n-Hexane	110-54-3	>480 min.	6
Hydrochloric acid 36%	7647-01-0	140 min.	4
Hydrofluoric acid 40%	7664-39-3	6 min.	0
Hydrogen peroxide 3%	7722-84-1	>480 min.	6
Hydrogen peroxide 30%	7722-84-1	31-45 min.	2
Isopropanol 45%	67-63-0	>480 min.	6
Methanol 5%	67-56-1	>480 min.	6
Methanol 10%	67-56-1	30 min.	1
Methyl methacrylate		< 1 min.	0
Nitric acid 10%	7697-37-2	>480 min.	6
n-heptane	142-82-5	80 min.	3
n-Propanol 60%		51 min.	2
Peracetic acid 38%	79-21-0	9 min.	0
Phosphoric acid 30%	7664-38-2	>480 min.	6
Perchloric acid 70 %		92 min.	3
Petroleum – distilled		5 min.	0
Phenol 90%		9 min.	0
Potassium hydroxide 30%	1310-58-3	>480 min.	6



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Povidone iodine 10%	25655-41-8	>480 min.	6
Rely+On™ Virkon® (Solution of potassium Peroxymonosulphate)	70693-62-8	>480 min.	6
Silver nitrate 10%	7761-88-8	>480 min.	6
Sodium carbonate 5%		>480 min.	6
Sodium hydroxide 40%	1310-73-2	>480 min.	6
Sulphuric acid 50%	7664-93-9	>480 min.	6
Sulphuric acid 96%	7664-93-9	8 min.	0
Tri(ethylene glycol) dimethacrylate 95%		33 min.	1
O-Xylene >99%	95-47-6	<1 min.	0

### Cytostatica

Flourouracil – 50.000 ppm		>240 min.	5
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
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		85 min.	3
Vincristine sulfate 1.000 ppm		>240 min.	5

### Antibiotica

Cefuroxim 15.000 ppm		>480 min.	6
Dicloxacilin 10.000 ppm		>480 min.	6
Gentamicin 1.200 ppm		>480 min.	6

Test method used: EN 374-3:2003, EN16523-1:2015 and ASTM D6978



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Art. no.	Product	Size	Palm mm (+/- 4)	Length mm (+/-10)	Cartons per pallet	Quantity Dispenser/carton
290431	X-Small	5-6	76	300	48	100/1000
3924	Small	6-7	86	300	48	100/1000
3925	Medium	7-8	98	300	48	100/1000
3926	Large	8-9	107	300	48	100/1000
3927	X-Large	9-10	115	300	48	100/1000