

Vasco® Nitril light

NON STERILE EXAMINATION AND PROTECTIVE GLOVES | DATA SHEET



**B. Braun Melsungen AG confirms that
Vasco® Nitril light gloves comply with the following standards and directives:**

EC CERTIFICATES AND APPLIED STANDARDS

Medical Device Class I according to Medical Device Directive (MDD) 93/42/EEC

EN 455 1-4, ISO 11193-1, ASTM D6319

Personal Protective Equipment Category III according to Personal Protective Equipment Regulation (PPER) EU 2016/425

EN 420, EN 374, ISO 16523, ISO 16604, ASTM F1671, ASTM D6978

QUALITY CERTIFICATES

ISO 9001, ISO 13485

PERSONAL PROTECTIVE EQUIPMENT

Information and Declaration of Conformity according to PPER (EU) 2016/425:



www.bbraun.com/gloves-declarations-of-conformity

B. Braun Melsungen AG



Dr. Hans-Ulrich Gaudin
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Vasco® Nitril light

NON STERILE EXAMINATION AND PROTECTIVE GLOVES | REGULATORY INFORMATION

MEDICAL DEVICE INFORMATION

MDD 93/42/EEC (CLASS I), EN 455



FOOD COMPLIANCE



Conformity for food contact according to 1935/2004/EEC

PERSONAL PROTECTIVE EQUIPMENT INFORMATION

Tested in accordance with:

ISO 374-1/Type B



KPT



2777

PPE Regulation (EU) 2016/425 (Cat. III); EN 420:2003+A1:2009

Code letter	Test chemical	EN 374-1:2016 Permeation level	EN 374-4:2013 Mean degradation
K	Sodium hydroxide 40 %	Level 6	-4,3 %
P	Hydrogen peroxide 30 %	Level 6	18,0 %
T	Formaldehyde 37 %	Level 6	28,0 %

Tested acc. to EN 16523-1:2015

Performance levels acc. EN 374-1:2016 +A1:2018

Measured breakthrough times (mins)

1	2	3	4	5	6
> 10	> 30	> 60	> 120	> 240	> 480

Degradation levels indicate the change in puncture resistance of the gloves after exposure to the challenge chemical. NOTE: Where the test specimens gave an increased puncture force after chemical exposure, the result is reported as a negative degradation.

AQL < 1.5

Resistance to bacteria and fungi

pass

Resistance to virus

pass

ISO 374-5:2016



VIRUS

This information does not reflect the actual duration of protection in the workplace and the differentiation between mixtures and pure chemicals. The chemical and penetration resistance has been assessed under laboratory conditions from samples taken from the palm only and relates only to the chemical tested. It can be different if the chemical is used in a mixture. It is recommended to check that the gloves are suitable for the intended use because the conditions at the workplace may differ from the type test depending on temperature, abrasion and degradation. When used, protective gloves may provide less resistance to the dangerous chemical due to changes in physical properties. Movements, snagging, rubbing, degradation caused by the chemical contact etc. may reduce the actual use time significantly. For corrosive chemicals, degradation can be the most important factor to consider in selection of chemical resistant gloves. Before usage, inspect the gloves for any defect or imperfections.

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NON STERILE EXAMINATION AND PROTECTIVE GLOVES | TECHNICAL DATA



SIZE	REF	REF	GLOVE DIMENSIONS (EN 455)	
			100/90* pcs.	150/135* pcs.
			Width of palm	
			Total length	
XS	9207708	9208801	≤ 80 mm	
S	9207716	9208810	80 ± 10 mm	
M	9207724	9208828	95 ± 10 mm	
L	9207732	9208836	110 ± 10 mm	
XL*	9207740	9208844	≥ 110 mm	

PHYSICAL PROPERTIES

		Min. specification	Typical value
Wall thickness	Finger	0.07 mm	0.09 mm
	Palm	0.06 mm	0.07 mm
	Cuff	0.04 mm	0.05 mm
Force at break	During shelf life	6 N	7 N after ageing
Elongation at break	Before ageing	500%	600%
	After ageing	400%	569%
Tensile strength	Before ageing	14 MPa	35 MPa
	After ageing	14 MPa	41 MPa

GLOVE DESIGN

Colour	lavender
Shape	straight fingers, ambidextrous fitting
Cuff	rolled rim, regular cuff
Surface finish	finger textured
Inner glove surface	polymer coated, powder-free

GLOVE MATERIAL

Nitrile butadiene rubber (NBR)	
Latex allergy risk	free of latex proteins

ACCELERATORS

Zn-dithiocarbamate, Zn-mercaptobenzothiazolate	
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Free of thiurames

LOGISTIC INFORMATION

Dispenser pack	100 / 90 pcs. ¹⁾	200 x 110 x 60 mm (L x W x H)
	150 / 135 pcs. ²⁾	240 x 122 x 65 mm (L x W x H)
Transportation carton	10 dispenser packs	¹⁾ 310 x 225 x 210 mm (L x W x H)
		²⁾ 340 x 249 x 250 mm (L x W x H)
Shelf life	3 years	
Storage conditions	store at room temperature, protect from dust, humidity, sun light and ozone	

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NON STERILE EXAMINATION AND PROTECTIVE GLOVES | BARRIER PROPERTIES – CHEMICALS



Tested by SATRA, UK in accordance with

EN 374-3: Protective gloves against chemicals and micro-organisms – Determination of resistance to permeation by chemicals.

EN 16523-1: Determination of material resistance to permeation by chemicals.

CHEMICAL	CAS REGISTRY NO.	PERMEATION PERFORMANCE LEVEL	BREAKTHROUGH TIME
Acetic acid 10 %	64-19-7	level 3	> 60 min
Acetone	67-64-1	not recommended	immediate
Acetonitrile	75-05-8	not recommended	immediate
Acrylamide 40 %	79-06-1	level 6	> 480 min
Ammonium hydroxide 25 %	1336-21-6	not recommended	1- 10 min
Chlorhexidin digluconat	18472-51-0	level 6	> 480 min
Chloroform	67-66-3	not recommended	immediate
Dichlormethane	75-09-2	not recommended	immediate
Diethylamine	109-89-7	not recommended	immediate
Diethyl ether	60-29-7	not recommended	immediate
Dimethylsulfoxide DMSO	67-68-5	not recommended	immediate
Ethanol 20 %	64-17-5	level 1	> 10 min
Ethanol 70 %	64-17-5	not recommended	immediate
Ethidium bromide 1 %	1239-45-8	level 6	> 480 min
Ethyl acetate	141-78-6	not recommended	immediate
Fentanyl citrate	990-73-8	level 5	> 240 min
Formaldehyde 37 %	50-00-0	level 6	> 480 min
Gasoline	8032-32-4	not recommended	immediate
Glutaraldehyde 5 %	111-30-8	level 6	> 480 min
Heptane-n	142-82-5	not recommended	immediate
Hexane-n	110-54-3	not recommended	immediate
Hydrochloric acid 10 %	7647-01-0	level 6	> 480 min
Hydrochloric acid 36 %	7647-01-0	not recommended	1- 10 min
Hydrogen peroxide 30 %	7722-84-1	level 6	> 480 min
Isopropyl alcohol 70 %	67-63-0	not recommended	1- 10 min
Methanol p.a.	67-56-1	not recommended	immediate
Nitric acid 10 %	7697-37-2	level 6	> 480 min
Phenol 10 %	108-95-2	not recommended	immediate
Sodium hydroxide 40 %	1310-73-2	level 6	> 480 min
Sulfuric acid 96 %	7664-93-9	not recommended	1- 10 min
Toluene	108-88-3	not recommended	immediate
Trichloroethane	71-55-6	not recommended	immediate
Xylene	95-47-6	not recommended	immediate

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NON STERILE EXAMINATION AND PROTECTIVE GLOVES | BARRIER PROPERTIES – CYTOSTATIC DRUGS



Tested by ARDL, USA in accordance with

ASTM D 6978: Standard Practice for Assessment of Resistance of Medical Gloves to Permeation by Chemotherapy Drugs. Minimum detection rate 0,01 µg/cm²/min

CLASSIFICATION

- Not suitable
- Suitable if changed before permeation breakthrough
- Suitable for prolonged use

CHEMOTHERAPY DRUG	mg/ml	CAS registry no.	MIN BREAKTHROUGH DETECTION TIME
Carmustine	3.3	154-93-8	■ 14 min
Cisplatin	1.0	15663-27-1	■ > 240 min
Cyclophosphamide	20.0	6055-19-2	■ > 240 min
Cytarabine	100.0	147-94-4	■ > 240 min
Dacarbazine (DTIC)	10.0	4342-03-4	■ > 240 min
Doxorubicin hydrochloride	2.0	25316-40-9	■ > 240 min
Etoposide	20.0	33419-42-0	■ > 240 min
Fluorouracil	50.0	51-21-8	■ > 240 min
Ifosfamid	50.0	3778-73-2	■ > 240 min
Methotrexate (Amethopterin Hydrate)	25.0	59-05-2	■ > 240 min
Mitomycin	0.5	50-07-7	■ > 240 min
Mitoxantrone	2.0	70476-82-3	■ > 240 min
Paclitaxel (Taxol)	6.0	33069-62-4	■ > 240 min
Thio-Tepa	10.0	52-24-4	■ 13 min
Vincristine	1.0	57-22-7	■ > 240 min