

Vasco® Nitril blue

NON STERILE EXAMINATION AND PROTECTIVE GLOVES | DATA SHEET



B. Braun Melsungen AG confirms that Vasco® Nitril blue gloves comply with the following standards and regulations:

EC CERTIFICATES AND APPLIED STANDARDS

Medical Device Class I according to Medical Device Regulation (EU) 2017/745

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

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

EN 420, EN 374, EN 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

www.hartalega.com.my



Hartalega NGC Sdn. Bhd., No.1, Persiaran Tanjung
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B. Braun Melsungen AG

A handwritten signature in blue ink, appearing to read 'Hans-Ulrich Gaudin'.

Dr. Hans-Ulrich Gaudin

Head of Global Regulatory Affairs OPM Germany

Vasco® Nitril blue

NON STERILE EXAMINATION AND PROTECTIVE GLOVES | REGULATORY INFORMATION

MEDICAL DEVICE INFORMATION

MDR (EU) 2017/745 (CLASS I), EN 455



FOOD COMPLIANCE



Conformity for food contact according to 1935/2004/EEC

PERSONAL PROTECTIVE EQUIPMENT INFORMATION



2777 PPE Regulation (EU) 2016/425 (Cat. III); EN 420:2003+A1:2009

Tested in accordance with:

ISO 374-1/Type B



KPT

Code letter	Test chemical	EN 374-1:2016 Permeation level	EN 374-4:2013 Mean degradation
K	Sodium hydroxide 40%	Level 6	-25,7%
P	Hydrogen peroxide 30%	Level 2	44,8%
T	Formaldehyde 37%	Level 5	-17,1%

Tested acc. to EN 16523-1:2015

Performance levels acc. EN 374-1:2016 +A1:2018	1	2	3	4	5	6
Measured breakthrough times (mins)	> 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.

ISO 374-5:2016



VIRUS

AQL 1.0

Resistance to bacteria and fungi	pass
Resistance to virus	pass

EN 421:2010



Protection against particulate radioactive contamination.

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 150/135* pcs.	GLOVE DIMENSIONS (EN 455)	
		Width of palm	Total length
XS	9209809	≤ 80 mm	
S	9209817	80 ± 10 mm	
M	9209825	95 ± 10 mm	≥ 240 mm
L	9209833	110 ± 10 mm	
XL*	9209841	≥ 110 mm	

PHYSICAL PROPERTIES

		Min. specification	Typical value
Wall thickness	Finger	0.08 mm	0.09 mm
	Palm	0.05 mm	0.06 mm
	Cuff	0.03 mm	0.05 mm
Force at break	During shelf life	6 N	8 N after ageing
Elongation at break	Before ageing	450%	562%
	After ageing	400%	473%
Tensile strength	Before ageing	18 MPa	35 MPa
	After ageing	16 MPa	38 MPa

GLOVE DESIGN

Colour	violet-blue
Shape	straight fingers, ambidextrous fitting
Cuff	rolled rim, regular cuff
Surface finish	micro rough, textured fingers
Inner glove surface	online chlorinated, powder-free

GLOVE MATERIAL

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

ACCELERATORS

Zn-dithiocarbamate	
Free of thiurames and mercaptobenzothiazoles MBT	

LOGISTIC INFORMATION

Dispenser pack	150/135 pcs.	235 x 125 x 75 mm (L x W x H)
Transportation carton	10 dispenser packs	395 x 260 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	



Packaging is made from recycled material

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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
Acetone	67-64-1	not recommended	immediate
Acetonitrile	75-05-8	not recommended	immediate
Acrylamide 40 %	79-06-1	level 6	> 480 min
Chlorhexidine gluconate 4 %	55-56-1	level 6	> 480 min
Diethylamine	109-89-7	not recommended	immediate
Ethanol 35 %	64-17-5	level 1	> 10 min
Formaldehyde 37 %	50-00-0	level 5	> 240 min
Formalin 10 %	50-00-0	level 6	> 480 min
Glutaraldehyde 1 %	111-30-8	level 6	> 480 min
Glutaraldehyde 4 %	111-30-8	level 6	> 480 min
Glutaraldehyde 50 %	111-30-8	level 6	> 480 min
Glycolic acid 2.5 %	79-14-1	level 6	> 480 min
Heptane-n	142-82-5	not recommended	immediate
Hexane-n	110-54-3	not recommended	immediate
Hydrogen peroxide 3 %	7722-84-1	level 6	> 480 min
Hydrogen peroxide 30 %	7722-84-1	level 2	> 30 min
Isopropanol 100 %	67-63-0	not recommended	immediate
Sodium hydroxide 40 %	1310-73-2	level 6	> 480 min
Sodium percarbonate 15 %	15630-89-4	level 4	> 120 min
Sulfuric acid 96 %	7664-93-9	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
5-Azacytidine	25.0	320-67-2	■ > 240 min
Carboplatin	10.0	41575-94-4	■ > 240 min
Carmustine	3.3	154-93-8	■ 10 min
Cisplatin	1.0	15663-27-1	■ > 240 min
Cyclophosphamide	20.0	6055-19-2	■ > 240 min
Dacarbazine	10.0	4342-03-4	■ > 240 min
Docetaxel	10.0	114977-28-5	■ > 240 min
Doxorubicin hydrochloride	2.0	25316-40-9	■ > 240 min
Epirubicin	2.0	56420-45-2	■ > 240 min
Etoposide	20.0	33419-42-0	■ > 240 min
Fluorouracil	50.0	51-21-8	■ > 240 min
Gemcitabine	38.0	122111-03-9	■ > 240 min
Ifosfamide	50.0	3778-73-2	■ > 240 min
Irinotecan	20.0	100286-90-6	■ > 240 min
Methotrexate	25.0	59-05-2	■ > 240 min
Mitomycin C	0.5	50-07-7	■ > 240 min
Mitoxantrone	2.0	70476-82-3	■ > 240 min
Oxaliplatin	5.0	61825-94-3	■ > 240 min
Paclitaxel (Taxol)	6.0	33069-62-4	■ > 240 min
Thio-Tepa	10.0	52-24-4	■ 30 min
Vincristine sulfate	1.0	2068-78-2	■ > 240 min
Vinorelbine	10.0	125317-39-7	■ > 240 min