

Nitrile, accelerator and powder-free cleanroom glove offering excellent chemical protection including against cytotoxic drugs

BioClean Emerald Sterile Nitrile Cleanroom Gloves are resistant to a range of chemicals, can be easily double-donned, and are accelerator-free and latex-free to reduce the risk of latex allergies. The hand specific shape ensures wearer comfort and reduces hand fatigue, whilst enabling good dexterity.

- Resistant to a range of chemicals
- Powder, sulphur & accelerator free
- Latex-free
- Textured surface with a smooth feel
- Easy double-donning



Industries

- Production and Manufacturing
- Production & Processing
- Controlled and Critical Environments
- Pharmaceutical Manufacturing
- Biotechnology Manufacturing
- Medical Device Manufacturing
- Sterile Processing Department

Recommended For

- Chemical Splash
- Sterile Processing Department
- Chemical Handling



Emerald BENS

Sterile Nitrile Cleanroom Glove
Compatible with Class 10 (ISO 4)
Environments

TECHNICAL DATA SHEET

PRODUCT INFORMATION

	Emerald BENS
Material	Nitrile
Color	Green
Shape	Hand Specific
Cuff	Beaded
Manufacturing/QMS Audit Standards	Manufacturing QMS Audit Standards ISO 9001 PPE Regulation 2016 425 Module D
Regulatory/Standards Compliance	ASTM D6978, CE 0598, EN 420:2003 + A1:2009, EN 420:2003 + A1:2009, EN 421:2010, EN 455 Part 2, EN ISO 374-1:2016, EN ISO 374-5:2016, Food Contact, ISO 9001:2015, Category III
Packaging	One pair per inner PE wallet; one wallet per sealed EasyTear PE pouch; 10 pouches per sealed outer PE bag; 20 outer bags per lined carton (200 pairs)
Storage	Store in a dry, cool place (<40°C) away from direct sunlight and fluorescent light.
Country of Origin	Malaysia
Available sizes	6.0, 6.5, 7.0, 7.5, 8.0, 8.5, 9.0, 10
Powder Content	Powder-Free
External Glove Surface	Smooth with Micro-Textured Finish
Sterilization Method	Gamma Irradiation
Sterilization Minimum Dose	25kGy
Sterility Assurance Level	10 ⁻⁶
Cleanroom Compatibility	ISO Class 4 & EU GMP Grade A
Shelf Life	Five (5) years from date of manufacture.
Tested for use with Chemotherapy Drugs	Yes
Protein Level	N/A: contains no natural rubber latex



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PHYSICAL PROPERTIES

	Typical Values								Testing Method
	6	6.5	7	7.5	8	8.5	9	10	
Length (mm/in)	300/12								EN420
Palm Width	77/3.0	83/3.3	89/3.5	95/3.7	102/4.0	108/4.3	114/4.5	120/4.7	
Freedom from Holes	0.65 AQL Performance Level 3								EN 374-2
Typical Particle Count > 0.5µm (counts / cm ²)	<1200								IEST-RP-CC005.4
Minimum Single Wall Palm Thickness (mm/mil)	0.10 / 3.94								EN455-2
Minimum Single Wall Finger Thickness (mm/mil)	0.13 / 5.12								EN 455-2
Minimum Single Wall Cuff Thickness (mm/mil)	0.06 / 2.36								EN 455-2
During Ageing									
Force at Break (N)	≥ 6 N								EN 455-2

IONIC CONTENT

Concentration in µg/cm ²	Typical	Upper	Concentration in µg/cm ²	Typical	Upper
Ammonium	0.024		Nitrate	0.064	
Bromide	Not Detected		Nitrite	Not Detected	
Calcium	0.704		Phosphate	Not Detected	
Chloride	0.246		Potassium	0.018	
Fluoride	Not Detected		Sodium	0.014	
Lithium	Not Detected		Sulphate	0.037	
Magnesium	0.013		Zinc	Not Tested	

ORDERING INFORMATION

	SIZE	6	6.5	7	7.5	8	8.5	9	10
Emerald BENS	REORDER NO.	BENS-6.0	BENS-6.5	BENS-7.0	BENS-7.5	BENS-8.0	BENS-8.5	BENS-9.0	BENS-10.0

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Performance Standards and Regulatory Compliance



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