

# PURPLE NITRILE\* MAX

## Exam Gloves



# THE NEW STANDARD IN CS PROTECTION‡.



### QUALITY STANDARDS AND RESULTS

TEST	OBJECTIVE	FDA REQUIREMENT 2008	ASTM D6319 REQUIREMENT	PURPLE NITRILE* MAX RESULTS
ASTM D5151 Detection of Holes in Medical Gloves (Water Leak)†	Determine acceptability of gloves with respect to freedom from holes. The lower the Acceptance Quality Level (AQL), the better.	Pass @ 2.5 AQL	Pass @ 2.5 AQL	Pass @ 1.0 AQL
ASTM 6124 Residual Powder on Medical Gloves	Determine amount of residual powder-associated wound healing complications caused by starch glove powder and helps reduce irritant reactions and the transfer of chemicals that could potentially result in Type IV reactions.	< 2 mg	—	< 2 mg
Systemic Toxicity ISO 10993-11	Evaluate the potential for harmful effects to organs or systems using specific product extracts.	Optional	—	Pass
Primary Skin Irritation ISO 10993-10	Estimate the potential to induce skin irritation from direct exposure.	Pass	—	Pass
Sensitization ISO 10993-10	Estimate the potential to induce contact sensitization Type IV delayed hypersensitivity immunological response via product extracts.	Pass	—	Pass
High Pressure Liquid Chromatography (HPLC)	Measure the type and amount of residual chemicals left on the glove.	Optional	—	Pass
Penetration by Bloodborne Pathogens Using Phi-X174 Bacteriophage (Viral Penetration) ASTM F1671-97b	Measure the resistance of materials used in protective apparel to penetration by bloodborne pathogens.	Optional	—	Pass

HALYARD\* PURPLE NITRILE\* MAX Exam Gloves have been tested according to the tests listed above.  
 † D6319-00a Standard Specification for Nitrile Examination Glove for Medical Applications  
 ‡ Central Services (CS), Sterile Processing Department (SPD), Central Service Supply Department (CSSD)

# KNOW YOUR PROTECTION.

## 25 Common Detergents & Chemicals

The following chemicals tested per ASTM F739† had NO breakthrough detection up to 480 minutes:

Chlorhexidine Gluconate (4%)	Povidone Iodine (10%)	Medline Instrument Stain Remover
Ethyidium Bromide (0.4%)	Quaternary Detergent	Medline Low Suds Liquid Detergent (Concentrate)
Formaldehyde (10%)	Sodium Hydroxide (50%)	PDI Sani-Cloth Germicidal Wipes
Gluteraldehyde (4%)	Sodium Hypochlorite (10-13%)	Rapacide PA A&B
Hydrochloric Acid (37%)	Sulfuric Acid (50%)	Resert XL HLD
Hydrogen Peroxide (3%)	Adhesive Tape Remover Pads	Steris Pre-Klenz Point of Use Transport Gel
Hydrogen Peroxide (30%)	Cidex 15-Day	
Ortho-phthalaldehyde/ Cidex OPA	Medline Instrument Lubricant	

The following chemicals tested per ASTM F739† had breakthrough times listed:

n-Hexane (96%)	98.3 min
Isopropyl Alcohol (70%)	159.3 min.
Isopropyl Alcohol (90%)	18.7 min.



### PRODUCT SPECIFICATIONS

GAUGE THICKNESS MEASUREMENTS	MM	MIL
Middle Finger	0.28	11.0
Palm	0.24	9.4
Cuff	0.15	5.9
Average Length	415 mm	(16")

### PHYSICAL PROPERTIES

	AFTER AGING
Tensile Strength	22 MPa
Ultimate Elongation	450%

All physical properties and product specs are target measurements; target MIL measurements may differ due to rounding.

### HALYARD\* PURPLE NITRILE\* MAX EXAM GLOVES

ITEM	SIZE	PACKAGING
44992	Small	50 each/box; 8 boxes/case
44993	Medium	50 each/box; 8 boxes/case
44994	Large	50 each/box; 8 boxes/case
44995	X-Large	50 each/box; 8 boxes/case

**Caution:** The testing conditions used are intended to approximate the worst case conditions for clinical use. Testing was conducted on single layer glove material. It is the users' responsibility to determine the applicability of these gloves for their intended use with chemicals. Gloves used for protection against chemical exposure should be selected specifically for the type of chemicals used. Review material safety data sheets for the chemical being used to determine the adequate level of protection.

† Standard Test Method for Permeation of Liquids and Gases through Protective Clothing Materials under Conditions of Continuous Contact