

Metal Detectable Nitrile 4 Mil Disposable Gloves

Part Number: MDNIT



Product Description:

- The only metal-detectable glove that is made of nitrile, engineered for food industry workers
- Metal detectable to reduce costs associated with accidental contaminations and food waste
- Made from nitrile, a much stronger and durable material than vinyl
- Texturized fingertips for better wet and dry grip
- No natural rubber proteins that may cause allergies
- Gloves are ambidextrous for quick selection
- CFIA and FDA compliant, powder-free, dark blue color

Color:

Black

Pack Size:

100 per box

Sizes:

Small, Medium, Large, Extra Large

Special Test Comments:

Product was tested on an APEX500 350mm x 150mm system by passing the gloves through the center of the detector head multiple times at different orientations to determine the probability of detection. Then cutting the ring finger off the glove to determine if a small piece could also be detected. Both a dry & wet modes were tested to represent the typical and extreme product types the gloves could be found present in. Dry mode has little to no product signal while wet mode represents products with lots of product signal because they could be wet, high in salt or at high temperatures.

The entire glove and a piece the size of the ring finger only were detectable in both modes.



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Test Setting

Package	Frequency	Gain	Phase #	Detect Level	Filter Applied	Belt Speed	R	X
Dry Mode	300 kHz	High	90	40	PNR & multi	100Ft/min	100	100
Wet Mode	150 kHz	Low	0.36	40	zone	100Ft/min	100	100

Test Results (whole gloves on left, glove piece on right)

Peak signals must be greater than 40 to be successfully detected per the system and conditions tested. Per the results below, both the entire glove and piece specified were detected in both orientations.

Black Disposable Glove- Aug 2018

	Peak Signals	
	Dry-High Gain (90.09° phase angle)	Wet-Low Gain (0.36° phase angle)
A - Lying flat parallel to flow	69-166	107-224
B - Lying flat perpendicular to flow	445-466	589-687

Black Disposable Glove Piece
(2.75" x 1.25" x 0.01" - Aug 2018)

	Peak Signals	
	Dry-High Gain (90.09° phase angle)	Wet-Low Gain (0.36° phase angle)
A - Lying flat parallel to flow	46-55	62-67
B - Lying flat perpendicular to flow	56-65	75-79

Testing was performed in a controlled setting where the products were placed on the conveyor by hand.

