

Test Report No. 7191322031-EEC23-WBH
dated 04 Dec 2023



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SUBJECT

Testing of Gloves

CLIENT

Medtecs (Taiwan) Corp.
11F., No. 9, Songgao Rd.,
Xinyi Dist., Taipei City,
Taiwan

SAMPLE SUBMISSION DATE

20 Nov 2023

TEST DATE

20 Nov 2023 to 29 Nov 2023

DESCRIPTION OF SAMPLES

S/N	Product Description	Brand/ Model	Size	Colour	Lot No.	Manufacturing date	Sample Received (pieces)	Manufacturer
1	"Medtecs" Examination Gloves (Powder-Free) (Non-Sterile)	Medtecs	M	Blue	232461309BL4.5g	2023-09-03	400	RMKH Glove (Cambodia) Co., Ltd.

Lot size as specified by client: 35,001 to 150,000 pieces

METHOD OF TEST

As requested by client, the test was conducted as follows:

- ASTM D6319-19 Standard Specification for Nitrile Examination Gloves for Medical Application
- Clauses 6.1.2 & 7.3 Freedom from Holes (Cross-reference to Test Method D5151)
- Clauses 6.1.4 & 7.5 Physical Requirements Test – Die C, accelerated aging conducted according to Clause 7.5.2.1: temperature of 70±2°C for 166±2h (Cross-reference to Test Method D412 and D573)
- Clauses 6.1.5 & 7.6 Powder-free Residue (Cross-reference to Test Method D6124)

Note: Dimensions test was excluded in this report.



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RESULTS

Sample: "Medtecs" Examination Gloves, Powder-Free, Non-Sterile, Size M, Blue, Lot no. 232461309BL4.5g

Table 1: Results for Freedom from Holes

Inspection level/ AQL: G-1/ 2.5

Clause	Tests	Requirements	No. of non-conformances allowed (pieces)	Number tested (pieces)	Actual no. of non-conformances found (pieces)	Inferred results
4 5	Freedom from holes	Shall not leak	10	200	3	Passed

Table 2: Results for Physical Requirements Test – before accelerated aging

Inspection level/ AQL: S-2/ 4.0

Clause	Tests	Requirements	Results			Number of pieces			Inferred results
			Min.	Mean	Max.	Non-conformances allowed	Tested	Actual non-conformances found	
6.1.4 7.5	Tensile strength (MPa)	≥ 14	21	24	27	1	13	0	Passed
	Ultimate elongation (%)	≥ 500	506	514	525				

Table 3: Results for Physical Requirements Test – after accelerated aging

Inspection level/ AQL: S-2/ 4.0

Clause	Tests	Requirements	Results			Number of pieces			Inferred results
			Min.	Mean	Max.	Non-conformances allowed	Tested	Actual non-conformances found	
6.1.4 7.5	Tensile strength (MPa)	≥ 14	19	22	27	1	13	0	Passed
	Ultimate elongation (%)	≥ 400	461	481	507				

Table 4: Results for Powder-Free Gloves

Clause	Tests	Requirements	Number of pieces	Result	Inferred Results
6.1.5 7.6	Powder-free gloves	Powder residue ≤ 2.0 mg	5	0.20 mg per glove	Passed

REMARKS

- The submitted samples comply with the requirements of ASTM D6319 for the tests listed in Method of Test.


Yeo Poh Kwang
Test Officer


Wong Bee Hui
Product Manager
Non-Asset Intensive Laboratories
Product Service

APPENDIX



Photo: "Medtecs" Examination Gloves, Powder-Free, Non-Sterile,
Size M, Blue, Lot no. 232461309BL4.5g

Table 5: Individual Results for Physical Requirements Test

No.	Tensile Strength (MPa)		Ultimate Elongation (%)	
	Before Aging	After Aging	Before Aging	After Aging
1	22	22	506	477
2	25	26	516	503
3	27	19	525	466
4	23	22	516	492
5	25	20	518	471
6	21	21	506	475
7	26	23	518	487
8	25	21	520	484
9	21	20	506	461
10	25	22	509	490
11	21	21	513	474
12	24	27	514	507
13	25	24	521	473
Min.	21	19	506	461
Mean	24	22	514	481
Max.	27	27	525	507

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Effective 26 January 2021

