

Test Report No. 7191205854-EEC19/03-WBH
dated 12 Mar 2019



PSB Singapore

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SUBJECT:

Testing of Latex Powder Free Gloves submitted by Sri Trang Gloves (Thailand) Public Company Limited (Suratthani Branch) on 26 Feb 2019.

TESTED FOR:

Sri Trang Gloves (Thailand) Public Company Limited (Suratthani Branch)
189 Moo 7
Playwas, Kanchanadit
Suratthani 84160
Thailand

TEST DATE:

26 Feb 2019 to 11 Mar 2019

DESCRIPTION OF SAMPLES:

S/N	Product Description	Colour	Lot No.	Size	Sample received (pieces)	Manufacturer
1	Latex Powder Free Gloves – (401200347)	Natural	- (see remark 1)	M	400 (4 boxes)	Sri Trang Gloves (Thailand) Public Company Limited

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



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METHOD OF TEST:

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

EN 455-2:2015 Medical gloves for single use
Part 2: Requirements and testing for physical properties

- Clause 5 Strength

Width of narrow portion of dumb-bell die	:	3mm
Dumb-bell test piece per glove	:	1
Dumb-bell test pieces tested	:	13 test pieces as-received & 13 test pieces after challenge testing only

ISO 23529:2010 Rubber - General procedures for preparing and conditioning test pieces for physical test methods

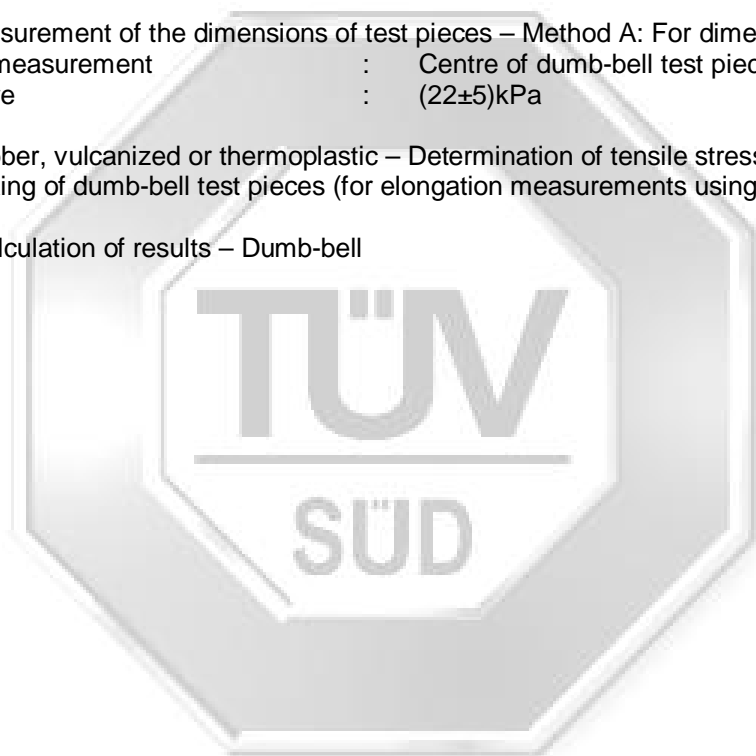
- Clause 7.1 Measurement of the dimensions of test pieces – Method A: For dimensions less than 30 mm

Location of measurement	:	Centre of dumb-bell test piece
Foot pressure	:	(22±5)kPa

ISO 37:2011 Rubber, vulcanized or thermoplastic – Determination of tensile stress-strain properties

- Clause 11 Marking of dumb-bell test pieces (for elongation measurements using non-contact extensometer)

- Clause 15.1 Calculation of results – Dumb-bell



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RESULTS:

Sample: Latex Powder Free Gloves – (401200347), Size M

Table 1: Results for samples as-received

S/N	Thickness (mm)	Tensile Stress @ 500% elongation (MPa)	Tensile Strength (MPa)	Force at Break (N)	Elongation at Break (%)
1	0.090	8.25	21.55	5.82	687.21
2	0.092	8.19	27.59	7.62	754.03
3	0.088	8.84	27.49	7.26	731.56
4	0.085	8.73	28.93	7.38	750.25
5	0.088	9.08	20.87	5.51	658.15
6	0.089	8.76	21.07	5.63	671.75
7	0.089	8.77	18.96	5.06	643.86
8	0.088	8.24	19.56	5.16	665.57
9	0.095	7.76	25.02	7.13	738.99
10	0.086	9.32	24.68	6.37	698.42
11	0.090	7.71	21.22	5.73	697.32
12	0.093	8.11	26.65	7.43	746.50
13	0.089	8.34	27.06	7.23	743.72
Median	0.089	8.34	24.68	6.37	698.42
Mean	0.089	8.47	23.90	6.41	706.72
Minimum	0.085	7.71	18.96	5.06	643.86
Maximum	0.095	9.32	28.93	7.62	754.03

Table 2: Results for samples after challenge testing

S/N	Thickness (mm)	Tensile Stress @ 500% elongation (MPa)	Tensile Strength (MPa)	Force at Break (N)	Elongation at Break (%)
1	0.088	5.64	21.55	5.69	782.29
2	0.091	5.71	23.68	6.47	808.16
3	0.090	5.88	22.34	6.03	777.98
4	0.093	6.05	21.73	6.06	765.85
5	0.095	5.66	22.04	6.28	787.42
6	0.090	5.75	20.87	5.63	769.11
7	0.096	5.49	21.73	6.26	794.22
8	0.088	5.52	22.77	6.01	799.38
9	0.085	6.18	22.62	5.77	772.15
10	0.093	5.57	20.20	5.64	771.18
11	0.092	5.64	23.11	6.38	803.39
12	0.083	5.96	24.25	6.04	805.16
13	0.094	5.88	22.99	6.48	787.88
Median	0.091	5.71	22.34	6.04	787.42
Mean	0.091	5.76	22.30	6.06	786.47
Minimum	0.083	5.49	20.20	5.63	765.85
Maximum	0.096	6.18	24.25	6.48	808.16

REMARKS:

1. The manufacturing batch code was not provided by the client.

Yeo Poh Kwang
Associate Engineer

Wong Bee Hui
Product Manager
Medical Health Services (NAM)

APPENDIX:



Photo : Latex Powder Free Gloves – (401200347), Size M



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July 2011

