

Test Report No. 7191236595-EEC20/03-WBH
dated 22 May 2020



PSB Singapore

**Add value.
Inspire trust.**

Note: This report is issued subject to the Testing and Certification Regulations of the TÜV SÜD Group and the General Terms and Conditions of Business of TÜV SÜD PSB Pte Ltd. In addition, this report is governed by the terms set out within this report.

SUBJECT:

Testing of Glove submitted by Sri Trang Gloves (Thailand) Public Company Limited (Songkhla Branch) on 05 May 2020.

TESTED FOR:

Sri Trang Gloves (Thailand) Public Company Limited
110 Kanchanawarit Road.,
T.Patong, A.Hatyai,
Songkhla, 90230,
Thailand.

TEST DATE:

08 May 2020 to 22 May 2020

DESCRIPTION OF SAMPLES:

S/N	Product Description	Colour	Lot No.	Size	Sample received (pieces)	Manufacturer
1	Latex powder free online chlorination glove (013143633)	Natural	(see remark 1)	M	30	Sri Trang Gloves (Thailand) Public Company Limited (Songkhla Branch)

This document and its contents are confidential of Sri Trang Gloves (Thailand) Public Company Limited only. Do not copy, discuss with or give to people not designated
Downloaded by , Sivaporn Yontrakankamjorn on date 19 Oct 2021



Laboratory:
TÜV SÜD PSB Pte. Ltd.
No.1 Science Park Drive
Singapore 118221

Phone : +65-6885 1333
Fax : +65-6776 8670
E-mail: enquiries@tuv-sud-psb.sg
www.tuv-sud-psb.sg
Co. Reg : 199002667R

Regional Head Office:
TÜV SÜD Asia Pacific Pte. Ltd.
1 Science Park Drive, #02-01
Singapore 118221
TUV[®]

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

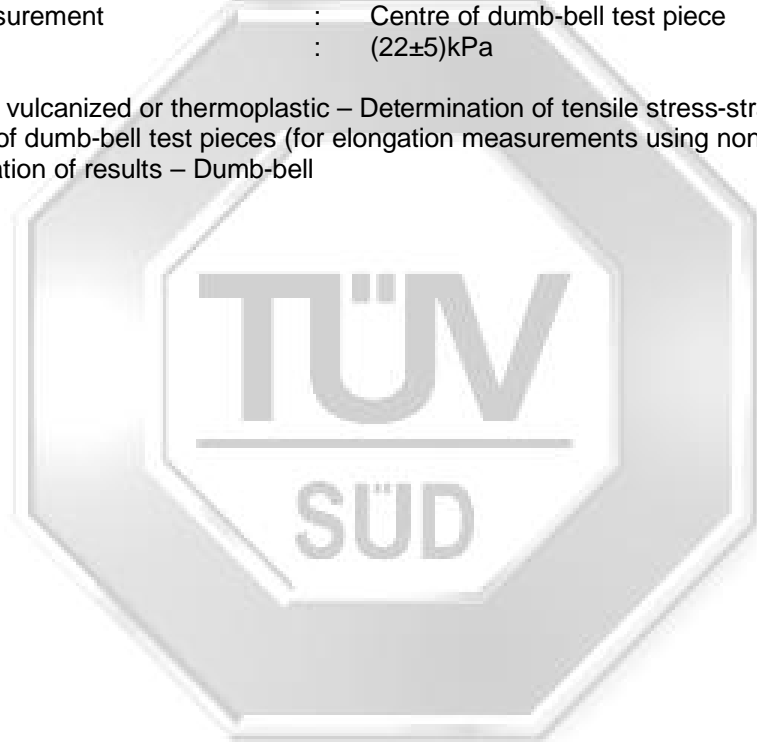
ISO 23529:2010 Rubber - General procedures for preparing and conditioning test pieces for physical test methods

- 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



Test Report No. 7191236595-EEC20/03-WBH
dated 22 May 2020



PSB Singapore

RESULTS:

Sample: Latex powder free online chlorination glove (013143633), 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	0.087	9.27	30.89	8.06	750.41
2	0.093	7.50	26.56	7.41	757.29
3	0.090	8.90	30.31	8.18	755.16
4	0.092	10.19	28.18	7.78	703.18
5	0.096	8.87	26.15	7.53	714.56
6	0.102	8.51	23.14	7.08	690.28
7	0.093	8.80	26.83	7.49	724.57
8	0.102	8.13	23.49	7.19	706.10
9	0.100	7.85	26.24	7.87	744.70
10	0.096	11.25	26.60	7.66	668.68
11	0.097	9.84	25.87	7.53	692.70
12	0.098	8.45	28.39	8.35	750.73
13	0.096	7.77	26.32	7.58	745.85
Median	0.096	7.58	26.56	7.58	724.57
Mean	0.096	7.67	26.84	7.67	723.40
Minimum	0.087	7.08	23.14	7.08	668.68
Maximum	0.102	8.35	30.89	8.35	757.29

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	0.089	8.75	27.62	7.37	732.11
2	0.093	8.45	25.54	7.12	721.27
3	0.094	7.42	25.65	7.23	753.95
4	0.091	7.95	27.33	7.46	754.69
5	0.094	8.04	26.38	7.44	743.36
6	0.089	8.35	29.14	7.78	761.34
7	0.094	8.35	28.75	8.11	756.63
8	0.092	8.46	27.09	7.48	735.95
9	0.098	8.10	26.86	7.90	744.91
10	0.087	7.92	25.17	6.57	733.40
11	0.090	8.14	27.84	7.52	751.42
12	0.095	8.15	26.21	7.47	738.22
13	0.090	8.04	27.41	7.40	752.45
Median	0.092	8.14	27.09	8.14	744.91
Mean	0.092	8.16	27.00	8.16	744.59
Minimum	0.087	7.42	25.17	7.42	721.27
Maximum	0.098	8.75	29.14	8.75	761.34

REMARK:

- Lot number was not provided by client.

Yeo Poh Kwang
Associate Engineer

Wong Bee Hui
Product Manager
Medical Health Services (NAM)

APPENDIX:



Photo: Latex powder free online chlorination glove (013143633), Size M



Test Report No. 7191236595-EEC20/03-WBH
dated 22 May 2020



Please note that this Report is issued under the following terms :

1. This report applies to the sample of the specific product/equipment given at the time of its testing/calibration. The results are not used to indicate or imply that they are applicable to other similar items. In addition, such results must not be used to indicate or imply that TÜV SÜD PSB approves, recommends or endorses the manufacturer, supplier or user of such product/equipment, or that TÜV SÜD PSB in any way "guarantees" the later performance of the product/equipment. Unless otherwise stated in this report, no tests were conducted to determine long term effects of using the specific product/equipment.
2. The sample/s mentioned in this report is/are submitted/supplied/manufactured by the Client. TÜV SÜD PSB therefore assumes no responsibility for the accuracy of information on the brand name, model number, origin of manufacture, consignment or any information supplied.
3. Nothing in this report shall be interpreted to mean that TÜV SÜD PSB has verified or ascertained any endorsement or marks from any other testing authority or bodies that may be found on that sample.
4. This report shall not be reproduced wholly or in parts and no reference shall be made by the Client to TÜV SÜD PSB or to the report or results furnished by TÜV SÜD PSB in any advertisements or sales promotion.
5. Unless otherwise stated, the tests were carried out in TÜV SÜD PSB Pte Ltd, No.1 Science Park Drive Singapore 118221.

July 2011

