

TEST REPORT

Report No. : CH:TX:2420034689-1

DATE : 14/07/2011

NAUTILUS INTERNATIONAL (CAYMAN) LTD
PO BOX 30739, ELIZABETHAN SQUARE, GRAND CAYMAN KY1-1203, CAYMAN ISLANDS,
BRITISH WEST INDIES
A/C SGS-CSTC STANDARDS TECHNICAL SERVICES CO., LTD

THE FOLLOWING SAMPLE(S) WAS/WERE SUBMITTED AND IDENTIFIED BY/ON BEHALF OF THE CUSTOMER AS :

SAMPLE DESCRIPTION	GLOVES LEATHER WORKING GLOVES
COLOUR	YELLOW
ORDER NUMBER	GZHG1106014999CE
STYLE/ITEM NO.	NTLS-HDL-105 YELLOW
SUPPLIER	KANMOS INDUSTRIAL LIMITED
BUYER	NAUTILUS INTERNATIONAL (CYMAN) LTD
COUNTRY OF DESTINATION	CAYMAN ISLANDS, BRITISH, WEST INDIES
PHOTO APPENDIX.	



SAMPLE RECD ON TEST(S) REQUIRED	07/06/2011	TESTING PERIOD : 07/06/2011 - 20/06/2011
	ABRASION RESISTANCE, BLADE CUT RESISTANCE, TEAR RESISTANCE, PUNCTURE RESISTANCE, SIZING, DEXTERITY, WATER PENETRATION, WATER VAPOUR TRANSMISSION & ABSORPTION, CHROMIUM VI, pH VALUE,	

CONCLUSION SAMPLE MEETS THE REQUIREMENT FOR ABRASION RESISTANCE OF PERFORMANCE LEVEL 4, BLADE CUT RESISTANCE OF LEVEL 2, TEAR RESISTANCE OF LEVEL 4, PUNCTURE RESISTANCE OF LEVEL 4, DEXTERITY OF LEVEL 4, WATER PENETRATION OF LEVEL 0, WATER VAPOUR TRANSMISSION & ABSORPTION, pH VALUE, CHROMIUM VI

NOTE: FOR SIZING RESULTS – REFER ENCLOSED PAGE(S)

Per pro SGS India Private Ltd.

Anitha.J
Lab Manager
anitha_jevaraj@sgs.com

Test report revised to correct style as per customer request.

This Report cancels and supersedes the Report No 2420034689 Date 20/06/2011 issued by SGS India

This is a computer generated report hence a signature is not available. An original signed hardcopy can be provided upon request at anitha_jevaraj@sgs.com

JOE No. : 1142819971

Page 1 of 3

Control No.:2425045712

This document is issued by the Company under its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and Terms and Conditions for electronic documents www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only. This document cannot be reproduced except in full, without prior approval of the Company.

TEST REPORT

Report No. : CH:TX:2420034689-1

DATE : 14/07/2011

R E S U L T S

EN 388 : 2003 Protective Gloves against mechanical risks

Clause	Test Name	Result				Performance level
6.1	Abrasion resistance (Cycles)	8000	8000	8000	8000	4
6.2	Blade cut resistance (Index)	6.50 5.61 5.32 4.85 4.86	Avg 5.43	4.48 4.06 3.92 4.37 4.33	Avg 4.23	2
6.3	Tear resistance (N)	224.1	228.6	151.5	175.8	4
6.4	Puncture resistance (N)	214.6	264.9	269.7	213.7	4

EN 420 : 2003+A1: 2009 Protective Gloves – General requirements and test methods

Clause	Test Name	Result				Average	Standard sizing
5.1	Sizing Circumference (mm) Length (mm)	281 271	280 270			280.5 270.5	11
5.2	Dexterity (mm)	6.5	6.5	6.5	6.5	6.5	Performance level 4
4.2	Time for water penetration (min)	5	5	5	5	5	0

***** End of Page*****

This is a computer generated report hence a signature is not available. An original signed hardcopy can be provided upon request at anitha_jejaraj@sgs.com

JOE No. : 1142819971

Page 2 of 3

Control No.:2425045712

This document is issued by the Company under its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and Terms and Conditions for electronic documents www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only. This document cannot be reproduced except in full, without prior approval of the Company.

TEST REPORT

Report No. : CH:TX:2420034689-1

DATE : 14/07/2011

R E S U L T S

WATER VAPOUR TRANSMISSION & ABSORPTION
EN 420:2003 + A1:2009 (Clause 6.3, 6.4)

PALM PORTION - LEATHER

WATER VAPOUR TRANSMISSION 16.2 mg/cm².h
WATER VAPOUR TRANSMISSION 12.9 mg/cm²

Req.
Min: 5 mg/cm².h
Min: 8 mg/cm²

Note: Requirement given as per EN 420:2003 + A1 2009 Clause 5.3.

pH VALUE
DIN EN 1413: 1998

CUFF FABRIC + PIPING TAPE

Value 7.24 3.5-9.5

FABRIC - YELLOW

Value 6.21 3.5-9.5

LINING - WHITE

Value 6.45 3.5-9.5
pH value of the 2% aqueous extract.

pH VALUE
ISO 4045: 2008

LEATHER AT FINGER - NATURAL

Value 4.28 3.5-9.5

LEATHER AT PALM - BLUE

Value 3.86 3.5-9.5
pH value of the 5% aqueous extract.

CHROMIUM -VI
EN ISO 17075/Analysis by UV-VIS Spectrophotometer

LEATHER AT FINGER - NATURAL

NOT DETECTED 3 mg/kg

LEATHER AT PALM - BLUE

NOT DETECTED 3 mg/kg

Detection Limit : 1 mg/kg

***** End of Report*****

This is a computer generated report hence a signature is not available. An original signed hardcopy can be provided upon request at anitha_jejaraj@sgs.com

JOE No. : 1142819971

Page 3 of 3

Control No.:2425045712

This document is issued by the Company under its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and Terms and Conditions for electronic documents www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only. This document cannot be reproduced except in full, without prior approval of the Company.