

Textile Laboratory

Test Report

No: TXA0672 /2015 /LE

Date: Oct. 20, 2015

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Voll Will Enterprise Co., Ltd
No. 186, Sec. 3, Chien Kang Rd.
Tainan City, Taiwan, R.O.C.

The following sample was submitted and identified by applicant as:

Sample Description : One sample of knitted fabric Fir Skin®T+320 Brush

Color : Black

Applicant : Voll Will Enterprise Co., Ltd

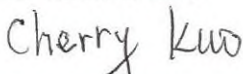
Sample Receiving Date : Oct. 12, 2015

Test Performance Period : Oct. 12, 2015 to Oct. 20, 2015

Test Performed : Selected test(s) as requested by applicant.

Test Results : For further details, please refer to the following page(s).

Signed for and on behalf of
SGS Taiwan Ltd.



Kuo Ling, Cherry
Supervisor

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Test Results:

Cadmium

Test Method: With reference to IEC 62321-5:2013 - Analysis was conducted with Inductively Coupled Plasma (ICP).

	<u>Result</u> <u>(mg/kg)</u>
Cadmium (Cd)	ND

Note: ND = Not Detected
Detection limit = 2 mg/kg
Remark: Test was conducted in single trial.

Lead

Test Method: With reference to IEC 62321-5: 2013. Analysis was conducted by Inductively Coupled Plasma (ICP).

	<u>Result</u> <u>(mg/kg)</u>
Lead (Pb)	ND

Note: ND = Not Detected
Detection limit = 2 mg/kg

Mercury

Test Method: With reference to IEC 62321-4: 2013. Analysis was conducted by Inductively Coupled Plasma (ICP)

	<u>Result</u> <u>(mg/kg)</u>
Mercury (Hg)	ND

Note: ND = Not Detected
Detection limit = 2 mg/kg

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Test Results:

Chromium VI

Test Method: With reference to IEC 62321: 2008. Analysis was conducted by UV/VIS Spectrometry.

	<u>Result</u> <u>(mg/kg)</u>
Chromium (VI)	ND

Note: ND = Not Detected
Detection Limit = 2 mg/kg

Polybrominated Biphenyls (PBBs)

Test Method: With reference to IEC 62321-6: 2015. Analysis was conducted by GC-MS.

Compounds	<u>Result</u> <u>(mg/kg)</u>
Monobromobiphenyl	ND
Dibromobiphenyl	ND
Tribromobiphenyl	ND
Tetrabromobiphenyl	ND
Pentabromobiphenyl	ND
Hexabromobiphenyl	ND
Heptabromobiphenyl	ND
Octabromobiphenyl	ND
Nonabromobiphenyl	ND
Decabromobiphenyl	ND
Sum of PBBs	ND

Note: ND = Not Detected
Detection limit = 5 mg/kg

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Test Results:

Polybrominated Biphenyl Ethers (PBDEs)

Test Method: With reference to IEC 62321-6: 2015. Analysis was conducted by GC-MS.

Compounds	<u>Result</u> <u>(mg/kg)</u>
Monobromobiphenyl ether	ND
Dibromobiphenyl ether	ND
Tribromobiphenyl ether	ND
Tetrabromobiphenyl ether	ND
Pentabromobiphenyl ether	ND
Hexabromobiphenyl ether	ND
Heptabromobiphenyl ether	ND
Octabromobiphenyl ether	ND
Nonabromobiphenyl ether	ND
Decabromobiphenyl ether	ND
Sum of PBDEs	ND

Note: ND = Not Detected
Detection limit = 5 mg/kg

Phthalates

Test Method: With reference to IEC 62321-8(111/321/CD). Analysis was conducted by GC-MS

	<u>Result</u> <u>(mg/kg)</u>
Dibutyl Phthalate (DBP)	ND
Benzylbutyl Phthalate (BBP)	ND
Bis-(2-ethylhexyl) Phthalate (DEHP)	ND
Diisobutyl phthalate (DIBP)	ND
Diisononyl Phthalate (DINP)	ND
Di-n-octyl Phthalate (DNOP)	ND
Diisodecyl Phthalate (DIDP)	ND

Note: ND = Not Detected
Detection limit:
DBP, BBP, DEHP, DIBP, DINP, DNOP and DIDP = 50 mg/kg
(for individual compound)

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Test Results:

Perfluorooctanesulfonate (PFOS) and Perfluorooctanoic acid (PFOA) Content

Test Method: In-house method - solvent extraction. Analysis was conducted by LC-MS.

	<u>Result</u> <u>($\mu\text{g}/\text{m}^2$)</u>
PFOS ^	ND
PFOA	ND

Note: ND = Not Detected
Detection limit = 1 $\mu\text{g}/\text{m}^2$

^ PFOS refer to Perfluorooctanesulfonic acid and its derivatives including Perfluorooctanesulfonic acid, Perfluorooctane sulfonamide, N-Methylperfluorooctane sulfonamide, N-Ethylperfluorooctane sulfonamide, N-Methylperfluorooctane sulfonamidoethanol and N-Ethylperfluorooctane sulfonamidoethanol

Above test items were tested by relevant SGS laboratory.

*** End of Report ***

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