

CERTIFICATE

認証

The company

SUZUKI KUTSUSHITA CO., LTD.

23-1 Oyanagi, Miyake-cho, Shiki-gun

JP-Nara, JAPAN

is granted authorization according to Oeko-Tex® Standard 100 to use the Oeko-Tex® mark, based on our test report **N-KEN 07072-5**



Tested for harmful substances
according to Oeko-Tex® Standard 100
N-KEN 07072 **Nissenken**

for the following articles:

Knitted goods made of cotton, rayon, polyester and/or polyurethane including rice-bran ingredients, yarn-dyed and finished (socks, leg-warmer, arm-cover, gloves and neck-warmer)

The results of the inspection made according to Oeko-Tex® Standard 100, **product class I** have shown that the above mentioned goods meet the human-ecological requirements of the standard presently established for baby articles.

The certified articles fulfil the requirements of Annex XVII of REACH (incl. the use of azo-dyes, nickel, etc.) as well as the American requirement regarding total content of lead in children's articles (CPSIA; with the exception of accessories made from glass).

The holder of the certificate, who has issued a conformity declaration according to ISO 17050-1, is under an obligation to use the Oeko-Tex® mark only in conjunction with products that conform with the sample initially tested.

This authorisation is valid until 15.11.2013

Japan, 09.01.2013

Koji Takinami

General Manager, Oeko-Tex Laboratory

Nissenken Quality Evaluation Center





Oeko-Tex Standard 100 TEST REPORT

P. 1/3

Test No: N-KEN 07072-5
Client: SUZUKI KUTSUSHITA CO., LTD. (株)鈴木靴下
Test Date: 9 January 2013

		Sample 1	Sample 2	Sample 3	Sample 4
		Main Yarn 30/-	Main Yarn 30/-	Main Yarn 30/-	Main Yarn 30/-
		Cotton/Rayon	Cotton/Rayon	Rayon/PES	Rayon/PES
SUBJECT	P. Class I Limit-Value	Black	Charcoal	Black	Charcoal
pH-Value Aqueous extract	水素イオン指数 [pH] 4.0-7.5	*	6.0	*	*
Formaldehyde Law 112	ホルムアルデヒド [A-Ao] 0.05	< 0.05	*	*	*
Heavy Metals Sb : Antimony As : Arsenic Pb : Lead Cd : Cadmium Cr : Chromium Cr : Chromium(VI) Co : Cobalt Cu : Copper Ni : Nickel Hg : Mercury	溶出重金属 [mg/kg] アンチモン 30 ヒ素 0.2 鉛 0.2 カドミウム 0.1 クロム 1.0 六価クロム 0.5 コバルト 1.0 銅 25 ニッケル 1.0 水銀 0.02	*	*	< 5.0 * < 0.1 < 0.05 < 0.2 < 0.2 < 0.2 < 5.0 < 0.2	*
Phenols PCP / TeCP OPP	フェノール類 [mg/kg] 0.05 50	< 0.01 < 5.0	*	*	*
Colorants Carcinogens	染料/顔料 [mg/kg] 発ガン性芳香族アミン 20	p-クロロアニリン 5.64	< 5.0	< 5.0	< 5.0
Chlorinated Benzenes / Toluenes Total	[mg/kg] 塩素化ベンゼン/トルエン 1.0	*	*	*	< 0.2
Colour Fastness Water Acidic Perspiration Alkaline Perspiration Dry Rubbing Saliva & Perspiration	堅牢度(汚染) [grade] 水 3 酸性汗 3-4 アルカリ性汗 3-4 乾摩擦 4 唾液/汗(乳幼児) 5	*	*	*	*



**Oeko-Tex Standard 100
TEST REPORT**

Test No: N-KEN 07072-5
Client: SUZUKI KUTSUSHITA CO., LTD. (株)鈴木靴下
Test Date: 9 January 2013

	Sample 5	Sample 6	Sample 7
	Back Yarn 20/70	Back Yarn 20/70	Back Yarn 30/75
	Nylon/PES	Nylon/PES	PES/PU
	Purple	Navy	Blue

SUBJECT	P. Class I Limit-Value			
pH-Value Aqueous extract 水素イオン指数 [pH]	4.0-7.5	*	*	*
Formaldehyde Law 112 ホルムアルデヒド [A-Ao]	0.05	< 0.05	*	*
Heavy Metals 溶出重金属 [mg/kg]				
Sb : Antimony アンチモン	30	*	< 5.0	*
As : Arsenic ヒ素	0.2	*	*	*
Pb : Lead 鉛	0.2	*	< 0.1	*
Cd : Cadmium カドミウム	0.1	*	< 0.05	*
Cr : Chromium クロム	1.0	*	< 0.2	*
Cr : Chromium(VI) 六価クロム	0.5	*	< 0.2	*
Co : Cobalt コバルト	1.0	*	< 0.2	*
Cu : Copper 銅	25	*	< 5.0	*
Ni : Nickel ニッケル	1.0	*	< 0.2	*
Hg : Mercury 水銀	0.02	*	*	*
Colorants Carcinogens 染料/顔料 [mg/kg] 発ガン性芳香族アミン	20	< 5.0	< 5.0	< 5.0
Chlorinated Benzenes / Toluenes Total 塩素化ベンゼン / トルエン [mg/kg]	1.0	*	*	< 0.2
Colour Fastness Water Acidic Perspiration Alkaline Perspiration Dry Rubbing Saliva & Perspiration 堅牢度(汚染) [grade] 水 酸性汗 アルカリ性汗 乾摩擦 唾液/汗(乳幼児)	3 3-4 3-4 4 5	* * * 5 5	* * * 5 5	* * * 5 5



Oeko-Tex Standard 100
TEST REPORT

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Test No: N-KEN 07072-5
Client: SUZUKI KUTSUSHITA CO., LTD. (株)鈴木靴下
Test Date: 9 January 2013

	Sample 8	Sample 9	Sample 10
Rubber Yarn LT1800 PES/PU Grey	Rubber Yarn OT1800 PES/PU Purple	Sewing Yarn 30/2 Nylon Orange	
SUBJECT	P. Class I	Limit-Value	
pH-Value Aqueous extract 水素イオン指数 [pH]	4.0-7.5	*	*
Formaldehyde Law 112 ホルムアルデヒド [A-Ao]	0.05	*	< 0.05
Heavy Metals 溶出重金属 [mg/kg]			
Sb : Antimony アンチモン	30	< 5.0	*
As : Arsenic ヒ素	0.2	*	*
Pb : Lead 鉛	0.2	< 0.1	*
Cd : Cadmium カドミウム	0.1	< 0.05	*
Cr : Chromium クロム	1.0	< 0.2	*
Cr : Chromium(VI) 六価クロム	0.5	< 0.2	*
Co : Cobalt コバルト	1.0	< 0.2	*
Cu : Copper 銅	25	< 5.0	*
Ni : Nickel ニッケル	1.0	< 0.2	*
Hg : Mercury 水銀	0.02	*	*
Phenols フェノール類 [mg/kg]			
PCP / TeCP	0.05	< 0.01	*
OPP	50	< 5.0	*
Colorants 染料/顔料 [mg/kg]			
Carcinogens 発ガン性芳香族アミン	20	< 5.0	< 5.0
Chlorinated Benzenes / Toluenes Total 塩素化ベンゼン / トルエン [mg/kg]	1.0	*	< 0.2
Colour Fastness 堅牢度(汚染) [grade]			
Water 水	3	*	*
Acidic Perspiration 酸性汗	3-4	*	*
Alkaline Perspiration アルカリ性汗	3-4	*	*
Dry Rubbing 乾摩擦	4	5	5
Saliva & Perspiration 唾液/汗(乳幼児)	5	5	4-5



Oeko-Tex Standard 100
TEST REPORT

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Test No: N-KEN 07072-5A
Client: SUZUKI KUTSUSHITA CO., LTD. (株)鈴木靴下
Test Date: 20 December 2012

Sample 1
米ぬかシリコーン靴下 シリコーン部

SUBJECT	P. Class I Limit-Value	
pH-Value Aqueous extract 水素イオン指数 [pH]	4.0-7.5	6.2
Formaldehyde Law 112 ホルムアルデヒド [A-Ao]	0.05	< 0.05
Heavy Metals Pb : Lead Cd : Cadmium 含有重金属 [mg/kg]	90 50	< 10 < 10
Phenols PCP / TeCP OPP フェノール類 [mg/kg]	0.05 50	< 0.01 < 5.0
Phthalates Total フタレート(可塑剤) [% (w)]	0.1	< 0.01
Organic Tin TBT / TPhT DBT / DOT 有機スズ化合物 [mg/kg]	0.5 1.0	< 0.1 < 0.1