



YUUKI Company, s.r.o.
Křižanská 1
460 10 Liberec

YOUR REF.: 6.1.2022
DATE: SZÚ 00540/2022
OUR REF.: EX 220055
13-187-22
PROCESSED BY: RNDr. M. Rucki, PhD.
TEL/FAX.: 267 08 23 76
E-MAIL: marian.rucki@szu.cz
DATE: 10.2.2022

Subject: **EXPERT OPINION on the health safety of menstrual panties.**

SUBJECT OF THE REQUEST:

Regarding your request of 6 January 2022 for an assessment of the health safety of menstrual panties 9140 according to the requirements of Act No. 102/2001 Sb., on general product safety, as amended, we would like to inform you:

SAMPLES PROVIDED: 1) **Menstrual panties 9140, WASHED**
Color – black (material: nylon, elasthan, cotton)

1) **Menstrual panties 9140, UNWASHED**
Color – black (material: nylon, elasthan, cotton)

Manufacturer: YUUKI Company, s.r.o., Křižanská 1, 460 10 Liberec

DOCUMENTATION PROVIDED:

Specification of the product provided in the request from 6.1.2022

TESTING PREFORMED:

Chemical analyses (Determination of pH of textile leachate according to EN ISO 3071, Determination of free and hydrolyzable formaldehyde according to EN ISO 14184-1, Determination of primary aromatic amines according to EN 621156) were carried out in Test Laboratories no 1206, certified by the Czech Accreditation Institute, in the Centre of Toxicology and Health Safety (CTZB).

The analyses were carried out in the extent of the Methodological Guidelines of the National Institute of Public Health (SZÚ) No. 1/2000 on evaluation of products in direct contact with the human body by skin or by mucosa (AHM No. 3/2000).

The provided samples were used for the above analyses.

EXPERT OPINION:

The pH of the tested samples is within a range that is safe for contact with skin and mucosa membranes.

The presence of primary aromatic amines in the samples are below the detection limits.

The skin tolerance test did not show any adverse skin reaction in the test subjects.

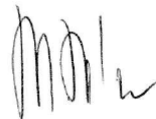
CONCLUSION:

Based on the assessment of the submitted documentation, the chemical composition and the determination of skin tolerance, we conclude that the product, menstrual panties 9140 (colour: black, material: nylon, elastane, cotton) - washed and unwashed, is safe for human health in contact with skin within the scope of the tests performed.

The results of the performed chemical analyses and cytotoxicity assays confirm health safety under Act No. 102/2001 Sb., as amended, on General Product Safety.

The function of the product is not subject to our testing..

**NATIONAL INSTITUTE OF
PUBLIC HEALTH
Centre of Toxicology
and Health Safety
for Cosmetics
Šrobárova 48, 100 42 Praha 10**



MUDr. Dagmar Jírova, CSc.
Director of the Centre of Toxicology
and Health Safety

ATTACHEMENTS:

Chemical Analyses Protocol no. SZÚ/00540/2022; 13-187-22

Skin Tolerance Test Protocol no. SZÚ/00540/2022; 13-187-22

CHEMICAL ANALYSES PROTOCOL

National Reference Centre for Cosmetics
National Institute of Public Health Prague, Centre of Toxicology and Health
Safety Šrobárova 48, 100 42 Prague 10

Contracting Entity: YUUKI Company, s.r.o., Křižanská 1, 460 10 Liberec

Protocol Number: SZÚ/00540/2022; 13-187-22

Date of the test: 24.1.-8.2.2022

Sample description: 1) Menstrual panties 9140, WASHED
Color – black (material: nylon, elasthan, cotton)

2) Menstrual panties 9140, UNWASHED
Color – black (material: nylon, elasthan, cotton)

Manufacturer: YUUKI Company, s.r.o., Křižanská 1, 460 10 Liberec

CHEMICAL ANALYSES

Measured parameters:

Determination of the pH value of the leachate

ČSN EN ISO 3071

Device: inoLab pH Level 1

Determination of free and hydrolysable formaldehyde

ČSN EN ISO 14184-1

Device: VARIAN CARY 1E

Determination of primary aromatic amines

Leach according to ČSN EN ISO 14181-1, method according to ČSN 62 1156

Device: VARIAN CARY 1E

Results of the tests:

sample no.: 1) Menstrual panties 9140, WASHED				
test	value measured	unit	insecurity	limit
chemical analyses				
pH extraction reagent	5,4	-	± 0,1	5,0-7,5
ph	6,5	mg.kg ⁻¹	± 0,1%	4,5-7,5
formaldehyd	<16*	mg.kg ⁻¹	± 8%	75
primary aromatic amines	<0,03*	mg.l ⁻¹ converted to anilinhydrochlorid	± 15%	0,05

sample no.: 2) Menstrual panties 9140, UNWASHED				
test	value measured	unit	insecurity	limit
chemical analyses				
pH extraction reagent	5,6	-	± 0,1	5,0-7,5
ph	5,4	mg.kg ⁻¹	± 0,1%	4,5-7,5
formaldehyd	<16*	mg.kg-1	± 8%	75
primary aromatic amines	<0,03*	mg.l-1 converted to anilinhydrochlorid	± 15%	0,05

*values are lower than limits set for quantification

Chemical analyses were carried out in the extent of the Methodological Guidelines of the SZÚ no. 1/2000 on evaluation of products in direct contact with the human body by skin or by mucosa (AHEM č. 3/2000).

Date: 8.2.2022

Test performed by: RNDr. Marián Rucki, PhD.

**NATIONAL INSTITUTE OF
PUBLIC HEALTH
National Reference Centre for
Cosmetics**


NÁRODNÍ ZDRAVOTNÍ ÚSTAV
 Národní referenční centrum
 pro kosmetiku

HUMAN SKIN TOLERANCE TEST PROTOCOL

NATIONAL INSTITUTE OF PUBLIC HEALTH

National Reference Centre for Cosmetics

National Institute of Public Health Prague, Centre of Toxicology and Health Safety
Šrobárova 48, 100 42 Prague 10

Test Laboratories no 1206, certified by the Czech Accreditation Institute

Contracting Entity: YUUKI Company, s.r.o., Křižanská 1, 460 10 Liberec

Protocol Number: SZÚ/00540/2022; 13-187-22

Date of the test: 7.2.-9.2.2022

Sample description: **1) Menstrual panties 9140, WASHED** one-time closed test
Color – black (material: nylon, elastan, cotton)

2) Menstrual panties 9140, UNWASHED one-time closed test
Color – black (material: nylon, elastan, cotton)

Samples were tested using a single closed material test method of 2.5 x 2.5 cm in a semi-occlusion on the upper back, the application time was 4 hours, the reading intervals were 30 min, 24 and 48 hours after the end of the application.

The test was carried out according to Cosmetic Product Test Guidelines for Assessment of Human Skin Compatibility, Colipa, Bruxelles 1997 (COLIPA = The European Cosmetic, Toiletry and Perfumery Association).

The test was performed with the approval of the ethics committee of SZU. The selection of subjects and the testing procedure followed the principles set out in the International Ethical Guidelines for Biomedical Research Involving Human Participants and was performed on a voluntary basis. Fifteen subjects, aged 22-68 years, participated in the test.

Under the test conditions, no reaction in terms of erythema, oedema or scaling was observed in exposed subjects.

Date: 9.2.2022

Test performed by: RNDr. Hana Bendová, Ph.D.


STÁTNÍ ZDRAVOTNÍ ÚSTAV
Národní referenční centrum
pro kosmetiku