EpiDermLab
Laboratorium badawcze

DERMATOLOGICAL TEST REPORT FOR A DETERGENT PRODUCT
OPEN CONTACT TEST

REPORT NUMBER	26/176/DO
PRODUCT NAME / CODE	LAUNDRY PERFUME PUELLOVE
NUMBER OF VOLUNTEERS	20
TEST DATE	02.03.2026-06.03.2026
SUPERVISION	DERMATOLOGIST
CUSTOMER	PUELLAVONE S.R.O. ROVNÍKOVÁ 1457/7 040 12 KOŠICE - MESTSKÁ ČASŤ NAD JAZEROM, SLOVAKIA
TESTING LABORATORY	EPIDERMLAB LABORATORIUM BADAWCZE S.C. UL. ŁOWIENICKA 14/3 30-613 KRAKÓW, POLAND
REPORT DATE	09.03.2026

CONTENTS

1. SUBJECT OF THE STUDY

Form	liquid
Color	colorless
Scent	fragrance composition
Packaging	replacement
Ingredients	Tetramethyl Acetyloctahydronaphthalenes, Alpha-Isomethyl Ionone, Hexamethylindanopyran, Pogostemon Cablin Oil, Linalool, Citronellol, Acetyl Hexamethyl Tetralin, Linalyl Acetate, Geraniol, Cinnamal, Limonene, Anethole, Damascenone, Toluene.
Storage	at room temperature (20-24° C) and protected from light, for 1 month after the completion of the test. After this period, the product should be disposed of.

2. PURPOSE OF THE STUDY

To assess skin tolerance to the detergent chemicals product, an evaluation of the product's irritating and allergenic properties was performed on healthy adult volunteers using a single application, open, non-occlusive test.

4. VOLUNTEERS

4.1. INCLUSION CRITERIA

- Healthy individuals aged 18 to 70 years,
- Individuals with skin phototype I-III,
- Individuals who have given informed, written consent,
- Individuals with no history of intolerance or allergic reactions to detergent chemicals and cosmetic products.

4.2. EXCLUSION CRITERIA

- Pregnant and breastfeeding women,
- Individuals currently taking or who have stopped taking:
  - Antihistamines, antibiotics, systemic anti-inflammatory drugs in the last week,
  - Cough medicines, corticosteroids used in the last 4 weeks,
  - Retinoids, immunosuppressive, anticancer drugs in the last 6 months,
- Individuals who have started, discontinued, or changed hormonal treatment (including contraceptive pills) in the last 5 weeks,
- Individuals with highly irritated skin,
- Individuals showing significant back hair, freckles, cosmetic stains, or tattoos on the tested area,
- Individuals who have sunbathed their back and shoulders in the last month,
- Individuals suffering from serious illnesses,
- Individuals abusing alcohol or tobacco,
- Volunteers involved in a similar study at another laboratory.

4.3. DISCONTINUATION OF THE STUDY

The volunteers have the right to leave the test whenever they want for whatever reason

The person supervising the study can exclude the volunteer for due to multiple reasons:

- the visit schedule is not respected by the subject,
- undesirable events (including the intercurrent diseases).

4.4. CHARACTERISTICS OF VOLUNTEERS QUALIFIED FOR THE STUDY

Number	20
Gender	women: 20, men: 0
Average age (years)	48 (range: 22 to 70)

5. METHODS

5.1. TOOLS, DOSAGE, DURATION

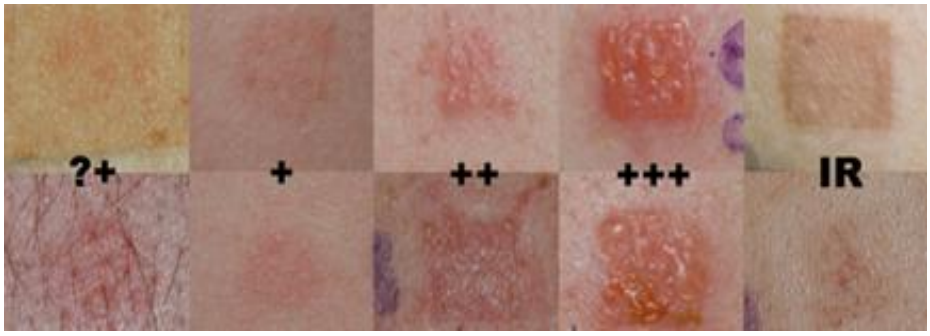
Application site	inner side of the forearm
Applied amount	25 µl
Product concentration	commercial
Application time	according to the method of use sent by the Customer

5.2. READINGS AND EVALUATION SCALE

The product was applied to a 3x3 cm field and spread evenly. After 15 minutes the first reading was taken. Subsequent readings were taken 30 minutes, 60 minutes and 24 hours after application. Skin readings were performed under the same shadowless lamp lighting conditions.

The degree of reaction in the tested areas was determined by comparing them to the negative control area (without the product) using the ICDRG scale.

Scale	Meaning	Description
0/ -	negative	none
0.5/ ?+	doubtful	subtle erythema, erythematous spot not palpable. this type of reaction is usually not considered evidence of allergy.
1/ +	weak	palpable erythematous focus suggesting mild swelling/ infiltration, with or without papules, no vesicles.
2/ ++	strong	intensified swelling, infiltration, papules, vesicles present
3/ +++	extremely strong	"blisters" formed by confluence of vesicles or erosion



5.3. INTERPRETATION OF RESULTS

The average irritation index (x_avg) is calculated based on the scoring classification for skin reactions. Based on the irritation index, the product is classified according to the scale.

$$x_{avg} = \frac{\text{sum of the classification scores}}{\text{number of volunteers}}$$

Average Irritation Index (x_{avg})	Product clatification
$x_{avg} < 0.5$	Non-irritating
$0.5 \leq x_{avg} < 2.0$	Mildly irritating
$2.0 \leq x_{avg} < 5.0$	Moderately irritating
$5.0 \leq x_{avg}$	Strongly irritating

6. RESULTS

Volunteer	Age	Gender F- female M - male	Skin phototype	Result after 15 min.	Result after 30 min.	Result after 60 min.	Result after 24 hours
1.	60	F	II	0	0	0	0
2.	54	F	III	0	0	0	0
3.	48	F	I	0	0	0	0
4.	40	F	II	0	0	0	0
5.	48	F	II	0	0	0	0
6.	69	F	II	0	0	0	0
7.	30	F	III	0	0	0	0
8.	25	F	II	0	0	0	0
9.	24	F	II	0	0	0	0
10.	51	F	I	0	0	0	0
11.	22	F	II	0	0	0	0
12.	27	F	III	0	0	0	0
13.	48	F	II	0	0	0	0
14.	70	F	II	0	0	0	0
15.	70	F	I	0	0	0	0
16.	42	F	III	0	0	0	0
17.	27	F	II	0	0	0	0
18.	69	F	II	0	0	0	0
19.	66	F	III	0	0	0	0
20.	62	F	II	0	0	0	0

The following value represents the irritation index (x_{avg}), calculated based on the sum of the classification scores.

Average Irritation Index (x_{avg})	Product Classification
0.00	NON-IRRITATING

7. CONCLUSIONS

Based on the open test no-occlusion, we conclude that the tested product:

LAUNDRY PERFUME PUELLOVE

- Has no irritant or sensitizing effects on the skin of the subjects,
- Meets the requirements of the Skin Compatibility Test.

8. COMMENTS

- The issued opinion does not apply to individuals with a documented allergy to any ingredient of the product.
- The Customer is responsible for the compliance of the samples prepared for testing with the declared qualitative composition and microbiological purity of the product.
- The results of the study apply solely to the received sample.
- The study report has been prepared in one copy. Original: Customer, Copy No. 1: Archive.

Test Report prepared in single copy. Original copy No. 1: Customer, Duplicate of copy No. 1: Archive.

9. AUTHORIZATION

Report Prepared by:	Study Supervisor:	Report Authorized by:
Violetta Majda	Dr. Agnieszka Snarska-Drygalska	Anna Kwiatkowska
Research Specialist	Specialist in Dermatology and Venereology	Head of Laboratory
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Signature Not Verified Dokument podpisany przez Violetta Majda Data: 2026.03.10 13:19:08 CET		Signature Not Verified Dokument podpisany przez Anna Kwiatkowska Data: 2026.03.10 15:08:09 CET

END OF REPORT