EVIChispania

STUDY / PRODUCT REFERENCES: **09-0927/0 / 09.0645**

ASSESSMENT IN HUMAN OF THE ANTI-WRINKLE, ANTI-BAGS AND ANTI-DARK RINGS EFFECT OF A COSMETIC PRODUCT

CHECKING OF ITS ACCEPTABILITY AFTER APPLICATION UNDER NORMAL CONDITIONS OF USE
SUBJECTIVE ASSESSMENT OF ITS COSMETIC QUALITIES AND EFFICACY

- Use test with clinical control by a dermatologist and with instrumental evaluation -

SPONSOR: CATALYSIS, S.L.

TEST PRODUCT: RETORNA CREMA REF: C2

Preliminary Results

Barcelona, November 02nd, 2009

RESULTS / DISCUSSION

Checking of skin acceptability

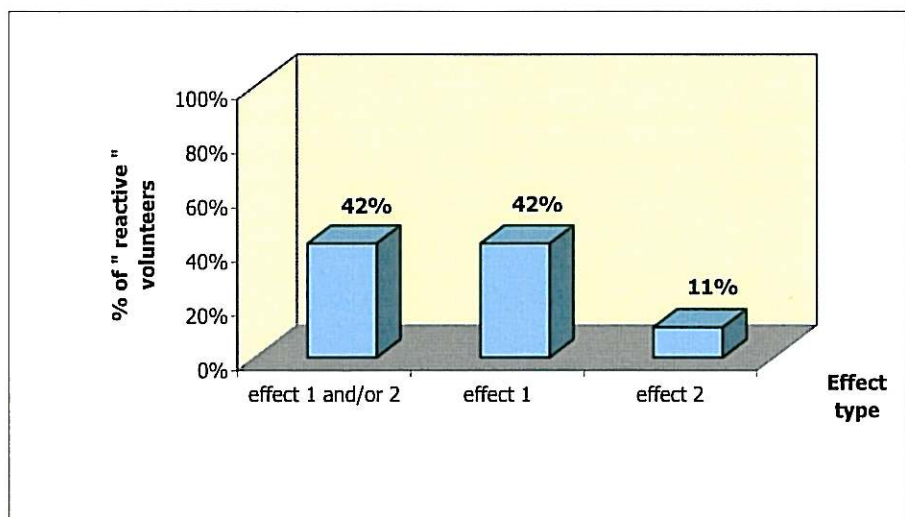| Types of skin reactions ascribable to the test product	% of volunteers exhibiting clinical signs ascribable to the test product	Types of sensations of discomfort ascribable to the test product	% of volunteers exhibiting sensations of discomfort ascribable to the test product
None	0%	None	0%

Assessment of the efficacy

Instrumental assessment of the anti-wrinkle effect

The analysis of the replicas taken from volunteers ref. 11, 14, 15, 18, 19 and 25, was impossible to perform due to an experimental error occurred during the replica sampling. Therefore, the results of the anti-wrinkle effect of the test product have been calculated on 19 volunteers.

The percentage of "reactive" volunteers and the type of effect for these volunteers are reported on the table below:
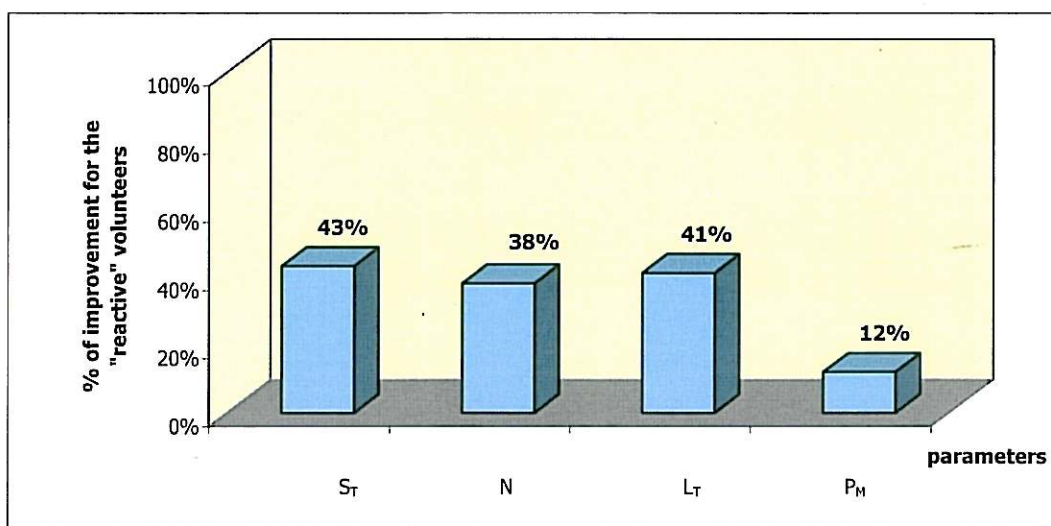
| Volunteer References | Difference D28/D0 in % | | | | Effect type |
	S_T	N	L_T	P_M	
1	37	39	32	-6	/
2	-64	-64	-59	18	1
3	-16	-1	-8	-7	/
4	-16	-20	-28	17	1
5	-74	-54	-70	-3	1
6	19	49	59	-6	/
7	10	-9	9	-1	/
8	46	-4	0.4	-4	/
9	109	30	65	4	/
10	-51	-38	-42	-10	1+2
11	NON EXPLOITABLE				
12	40	-8	22	10	/
13	140	49	96	10	/
14	NON EXPLOITABLE				
15	NON EXPLOITABLE				
16	117	35	22	14	/
17	107	15	39	6	/
18	NON EXPLOITABLE				
19	NON EXPLOITABLE				
20	-66	-32	-56	-1	1
21	-7	19	-1	-1	/
22	-47	-19	-42	5	1
23	-32	2	-18	2	1
24	-20	9	-10	-15	1+2
25	NON EXPLOITABLE				
% of « reactive » volunteers (effect 1 and/or 2)					42 %
% of « reactive » volunteers: effect 1					42 %
% of « reactive » volunteers: effect 2					11 %

The percentages of "reactive" volunteers who showed an effect 1 and/or 2, after 28 days of treatment are reported on the graphics below:

The percentages of improvement for each of the parameters and for the "reactive" volunteers are reported on the table below:

Parameters	% of improvement
S_T	43%
N	38%
L_T	41%
P_M	12%

Assessment of the anti-bags effect

1) Descriptive analysis

The clinical score was performed on D0 and D28.

	Clinical score			"Reactive" Volunteers*
	D0	**D28**	**Δ D28-D0**	
Mean	4.4	4.0	**-0.4**	**10 / 40%**
SD	1.7	1.7	**1.2**	

*Volunteers for whom the mean score values decreased at least 0.5 points between D0 and D28

Conclusion: After 28 days of treatment it is observed a slight improvement on the bags condition and there is 40% of the volunteers for whom the product shows an anti-bags effect.

Assessment of the anti-dark rings effect

1) Descriptive analysis

The measurements were performed on D0 and D28.

The results of the measurements performed on volunteers ref. 1, 2, 8 and 11 were impossible to analyse due to an experimental error occurred during measurements. Therefore, the results of the anti-dark rings effect of the test product have been calculated on 21 volunteers.

In brief:

	ITA° parameter						% variation ΔITA° (D28-D0)	"Reactive" volunteers*	% variation ΔM (D28-D0)*
	D0			D28					
	Dark ring	**Adjacent area**	**ΔD0**	**Dark ring**	**Adjacent area**	**ΔD28**			
Mean	12.2	32.8	20.6	10.8	32.4	21.6	10%	**6 / 29%**	-44%
Std. Dev.	12.5	8.9	13.1	10.6	10.6	13.4	44.6%		21%

*Volunteers for whom the percentage of decrease of the ITA° parameter between both areas is superior or equal to 10% between D0 and D28

Conclusion: After 28 days of treatment, it is not observed any improvement on the dark rings condition for the whole of the volunteers. However, it is observed a mean relative reduction of the dark rings of 44%, on the reactive volunteers (29% of the panel).
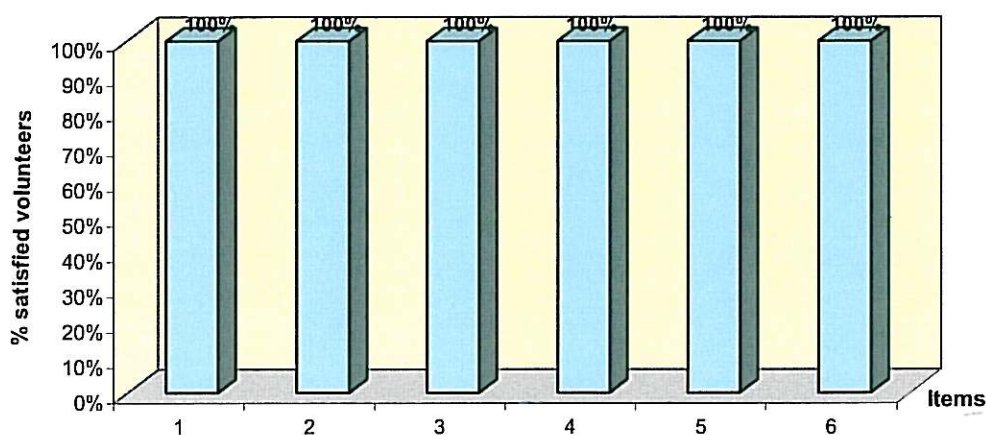
Assessment of the cosmetic qualities and efficacy (auto-evaluation)

Cosmetic qualities

For each item, the number of volunteers according to the score and the percentage of satisfied volunteers is mentioned below:

Items	1. (Easy) application				2. (Pleasant) texture				3. (Quick) absorption			
Score	**0**	**1**	**2**	**3**	**0**	**1**	**2**	**3**	**0**	**1**	**2**	**3**
Number of volunteers	0	0	23	2	0	0	5	20	0	0	6	19
% of satisfied volunteers	100%				100%				100%			

Items	4. (Pleasant) fragrance				5. (Pleasant) colour				6. Non oily			
Score	**0**	**1**	**2**	**3**	**0**	**1**	**2**	**3**	**0**	**1**	**2**	**3**
Number of volunteers	0	0	8	17	0	0	6	19	0	0	4	21
% of satisfied volunteers	100%				100%				100%			

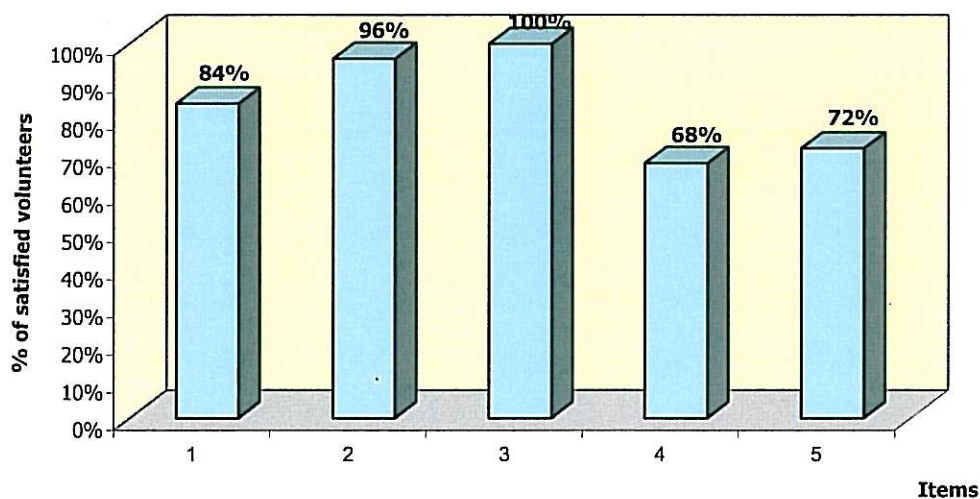For each item, the percentage of satisfied volunteers is reported in the graphics below:

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Cosmetic efficacy

For each item, the number of volunteers according to the score and the percentage of satisfied volunteers is mentioned below:

Items	1. Anti-wrinkle effect				2. Moisturizes the skin				3. Leaves skin soft and smooth			
Score	0	1	2	3	0	1	2	3	0	1	2	3
Number of volunteers	2	2	17	4	0	1	6	18	0	0	5	20
% of satisfied volunteers	84%				96%				100%			

Items	4. Reduces dark rings				5. Reduces bags			
Score	0	1	2	3	0	1	2	3
Number of volunteers	2	6	14	3	3	4	14	4
% of satisfied volunteers	68%				72%			

For each item, the percentage of satisfied volunteers is reported in the graphics below:

Percentage of satisfied volunteers:

    1. Anti-wrinkle effect (84%)
    2. Moisturizes the skin (96%)
    3. Leaves skin soft and smooth has an anti-wrinkle effect (100%)
    4. Reduces dark rings (68%)
    5. Reduces bags (72%)

CONCLUSION

According to the experimental conditions adopted and taking into account the instrumental parameters defined, the grading scales established by the investigator centre and the subjective auto-evaluation, we can conclude that the product **RETORNA CREMA REF: C2:**

- **has a very good acceptability.**
Its very good tolerance was thus confirmed.

The product can claim the mention "tested under dermatological control"

- has **an anti-wrinkle effect** on **42%** of the panel, after 28 days of use, working mainly on little wrinkles,

- has an **anti-bags effect** on **40%** of the panel, after 28 days of use,

- has no effect on dark rings.

In other respects, it is well appreciated for its **cosmetic qualities and efficacy**.