
Sensory evaluation of Hyaluronic Acid Elastomer (Hyacross)

1. Evaluation of improving skin roughness with Hyacross

1.1 Materials

The only difference between control and test samples was the cream of test samples contained Hyacross. The content of Hyacross in the test sample was 2%.

1.2 Operation

Randomized, double-blind placebo-controlled evaluation of Hyacross was carried out on 20 healthy females.

4. Results

The result showed a significant improvement of skin smoothness on 35% of the volunteers after application of 30 days.

Tab.1 Evaluation of improving skin roughness for Hyacross

Samples	No improvement /%	Improvement /%	Significant improvement /%
Control group	90	10	0
Hyacross group	5	60	35

2. Evaluation for skin feeling of Hyacross

2.1 Materials

Hyacross solutions with different concentrations of 1% , 2%, 5%.

2.2 Operation

Hyacross solutions were distributed to 20 females. A questionnaire was used to evaluate skin feelings after Hyacross solutions were applied.

2.3 Results

Hyacross has higher viscosity and better thickening capacity than common HA. However, it feels smooth but not sticky. The results showed that the skin feeling of 2% solution was the best.

Tab.2 Evaluation of the skin feeling for Hyacross

Samples	No difference/%	Sticky/%	Smooth/%
1% group	20	0	80
2% group	0	5	95
5% group	0	15	85

5. Conclusion

Hyacross can effectively improve skin roughness. The skin becomes soft and smooth after continuous application for 30 day. In addition, it leaves skin feeling smooth but not sticky.

Appendix: Formulation for Test of skin roughness

No.	INCI name	Wt/%
1	CAPRYLIC/CAPRIC TRIGLYCERIDE	8.0
2	GLYCERIN	6.0
3	DIMETHICONE	2.0
4	CETEARYL OLIVATE/SORBITAN OLIVATE	2.0
5	POLYACRYLATE-13/POLYISOBUTENE/POLYSORBATE 20	0.6
6	BEHENYL ALCOHOL	0.5
7	HYDROXYACETOPHENONE	0.5
8	PHENOXYETHANO	0.5
9	AMMONIUM ACRYLOYLDIMETHYLTaurate/BEHENETH-25	0.4
10	AQUA	to 100
	Hyacross	2.0