

Skin elasticity evaluation of Hymagic™-AcHA

The skin elasticity evaluation of Sodium Acetylated Hyaluronate (Hymagic™-AcHA) was carried out using MPA580.

1. Method

Test the skin elasticity of cream containing Hymagic-AcHA in 4weeks.

2. Materials

Samples: The only difference between control and test samples was the cream of test samples contained 0.1% Hymagic-AcHA.

Instruments: MPA580 (Courage + Khazak, electronic GmbH) .

3. Volunteers

30 healthy women of 20~45 years old.

4. Operation

3.0 ± 0.1 mg/cm² of control and test samples were respectively applied on the left and right forearm (4×4 cm²). The skin elasticity parameter R2 of test area was measured before and after application of samples. (Skin elasticity index R2, the more close to 1, the better skin elasticity)

5. Results

Results show that, after 4 weeks of continuous application of a facial cream containing 0.1% AcHA, the skin elasticity of volunteers has significantly increased by 22.8%.

Table 1. The comparison of skin elasticity (R2)

	Time	Control	0.1%Hymagic-AcHA	Statistical significance
R2 relative increasing rate /%	1 week	2	8.9	P<0.05
	2 weeks	2.5	13.7	P<0.01
	3 weeks	3.5	18.6	P<0.01
	4 weeks	4.5	22.8	P<0.01

6. Conclusion

Hymagic-AcHA can significantly improve the skin elasticity after continuous application. And skin is softened.