

SMICHAEL

Cross Linked Hyaluronic Acid Filler





SMICHAE

created on the basis of high quality hyaluronic acid, has FDA and CEP EDQM registration
The Smichae creation process uses innovative cross-linking technology without the use of animal media or enzymes, reducing the risk of allergic reactions or viruses.

Advantages



Safety

High quality raw materials
Minimum stitching



Soft injection

Smooth,
Low and uniform injection



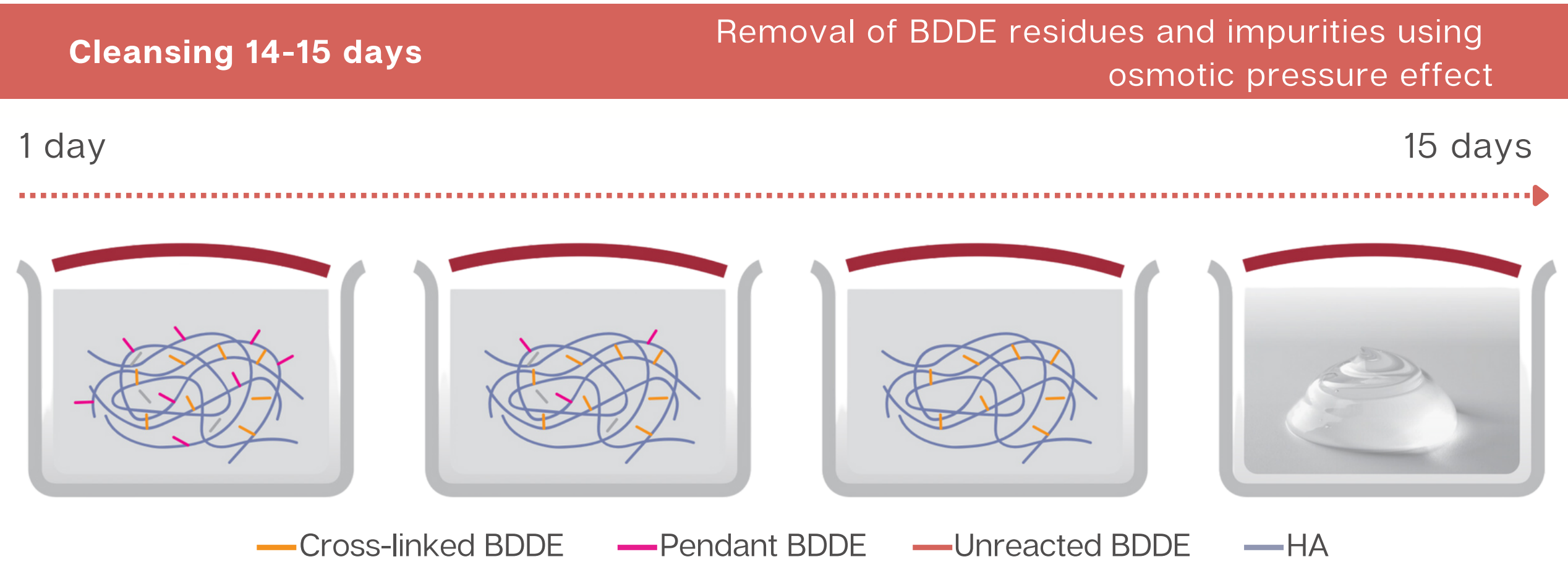
Excellent viscoelasticity

Soft viscoelastic gel texture

Safe

Production process

14-15 Day Purification, Smichae minimizes residual BDDE through a 14-day purification process and minimizes allergic reactions by reducing impurities such as endotoxins and proteins.



Comparison of BDDE protein load and endotoxin detection

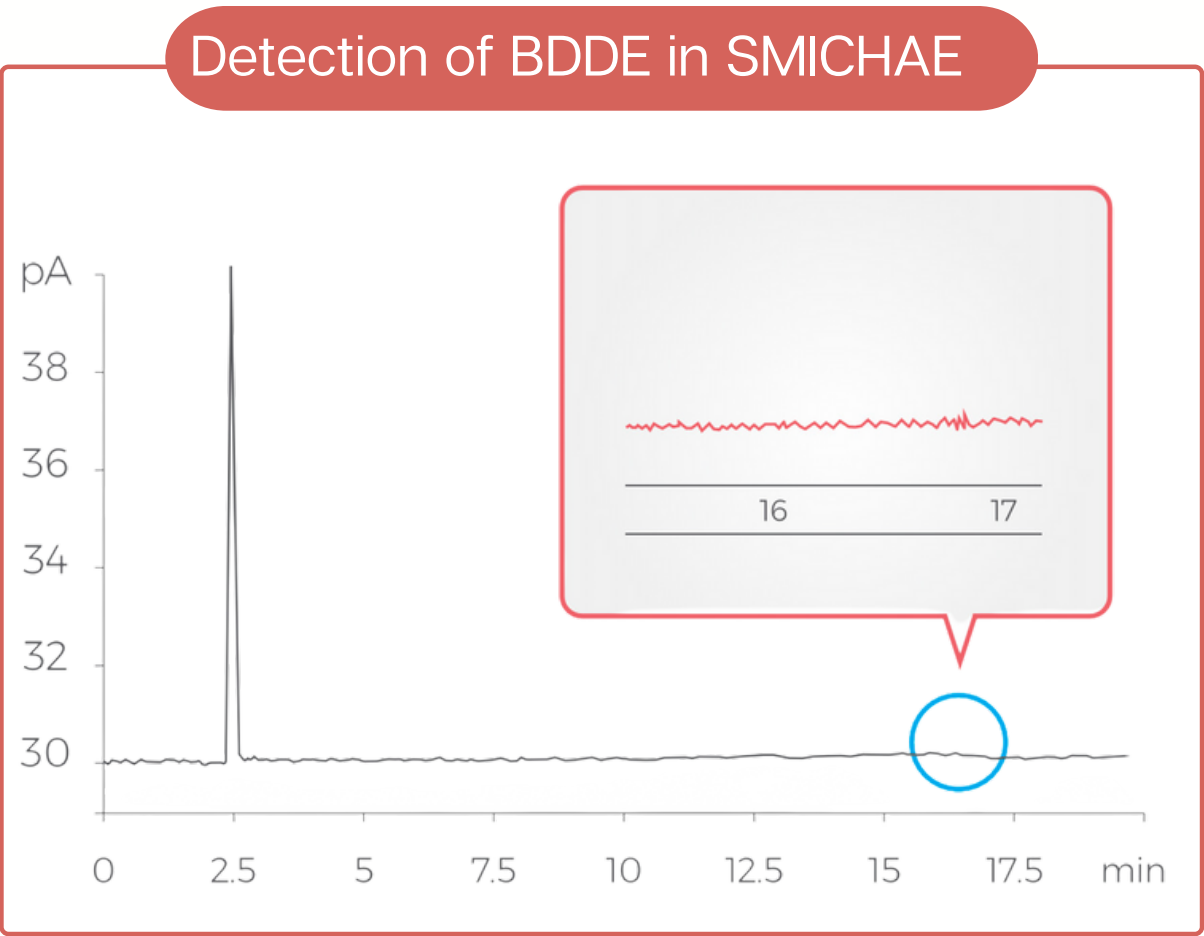
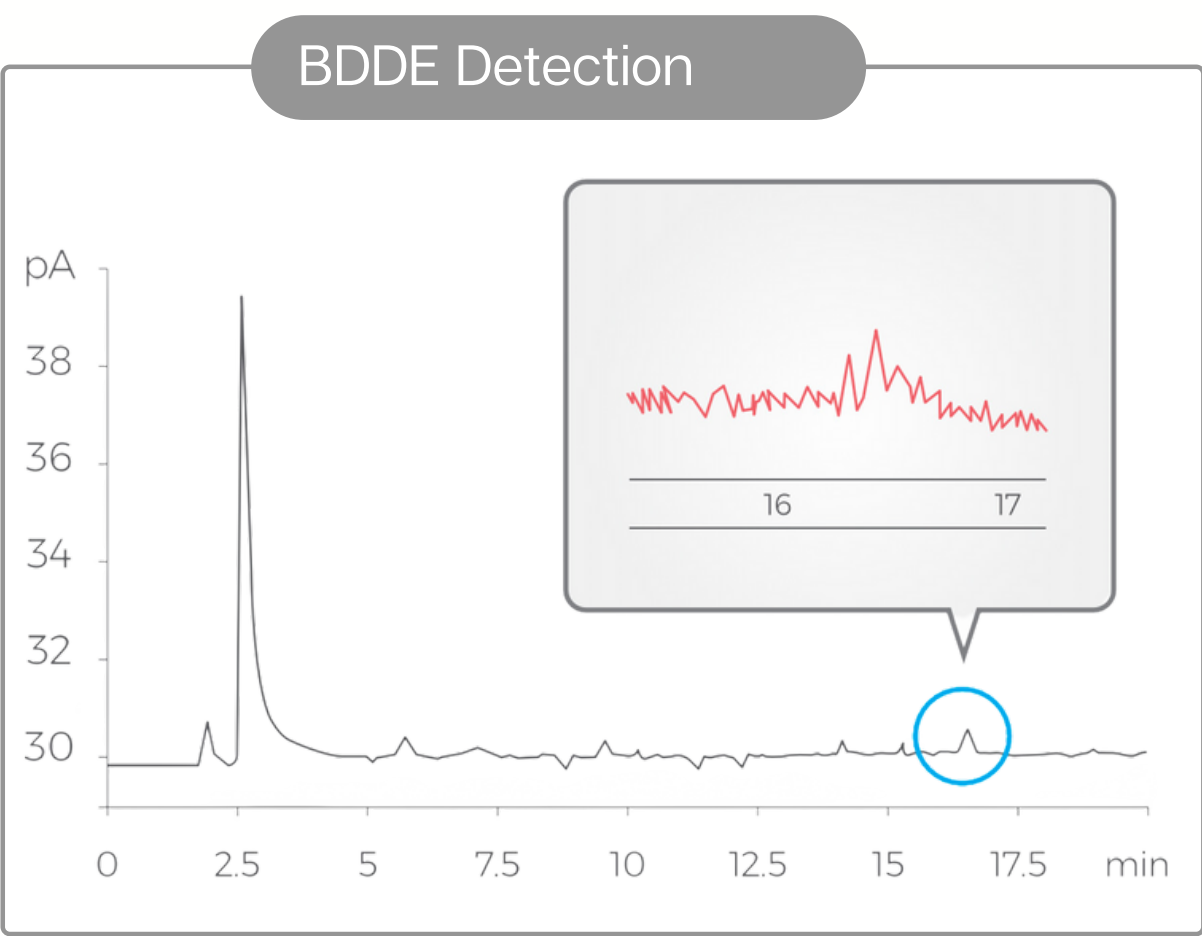
Research parameter	Standards	Research result
pH	6.8 - 7.5	7.04
Residue BDDE	Less than 2.0 ppm	0.1
Heavy metals	Less than 10.0 ppm	Complies with standard
Sterility, toxicity	Sterile, non-toxic	Complies with standard
Endotoxins	Less than 12.5 IU/ml	Less than 0.5 IU/ml

BDDE Detection

(GC GAS GROMATOGRAPIE)

GC analysis shows the change in detection signal over time, and some compounds peak at unique times.

Typically, BDDE is detected within 16–17 minutes, but SMICHAE did not show any changes or peaks in the BDDE detection signal.



Disintegration test

24 hours of observation after the injection of hyaluronidase into 0.5 ml of SMICHAE filler confirmed its complete disintegration.

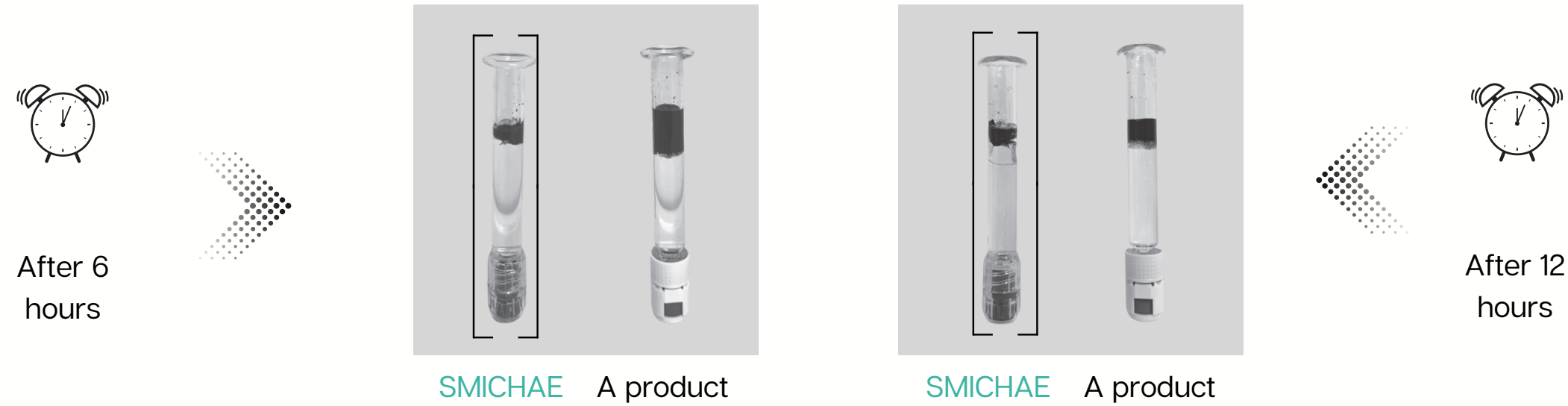
	0 hours	After 2 hours	After 6 hours	After 12 hours	After 24 hours
SMICHAE					

*If side effects occur after administration of hyaluronidase, lightly massage the injection area

[Link: research results](#)

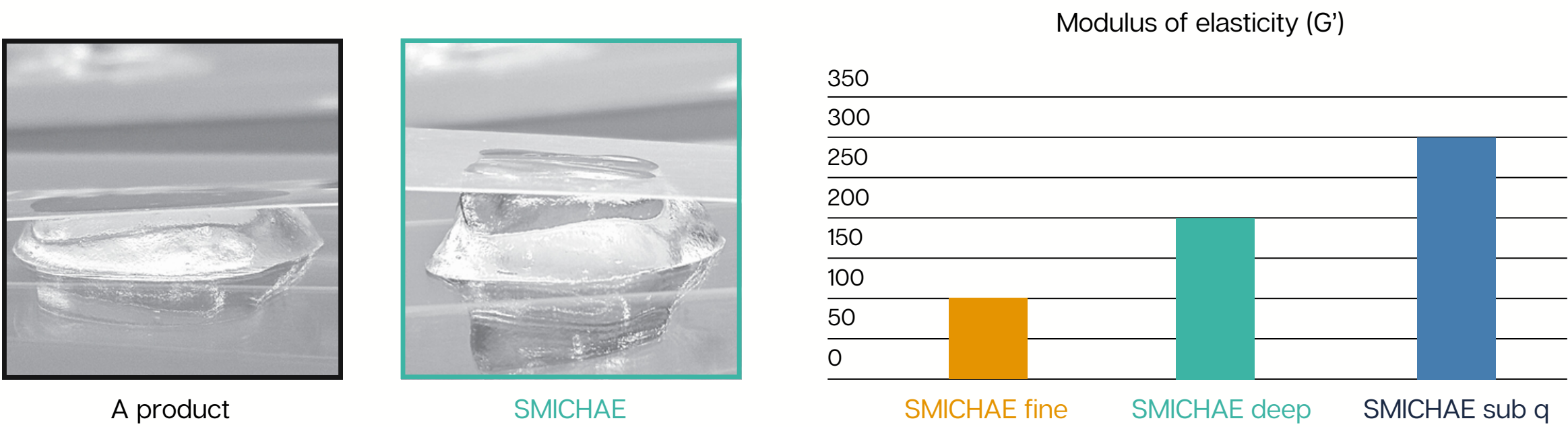
Cohesiveness

Research results on the level of ink diffusion in products from Smichae and other companies



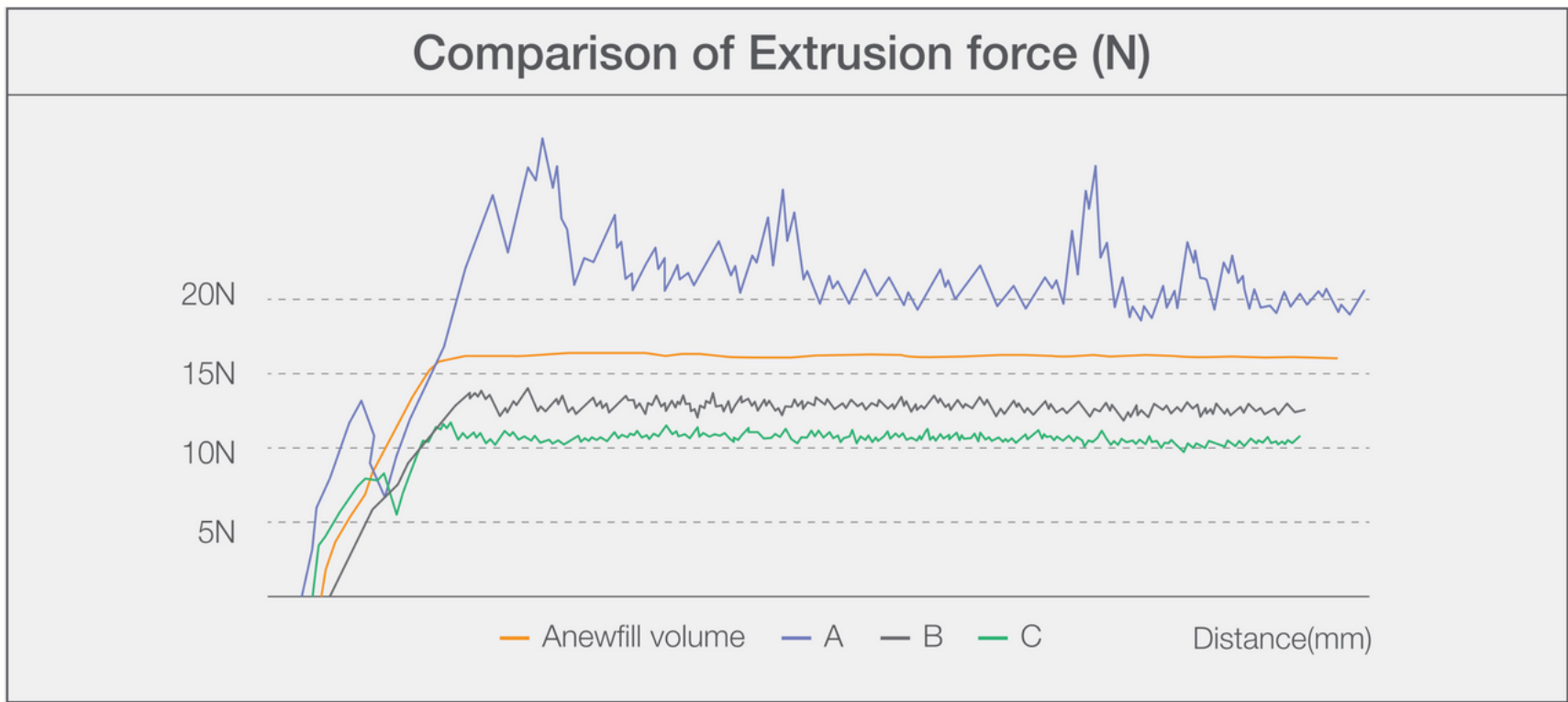
Excellent viscoelasticity

Through various studies and tests, the best viscoelasticity for the SMICHAE composition has been developed



Evenly soft injections

Smichae can be used easily and smoothly thanks to its low and uniform injection surface

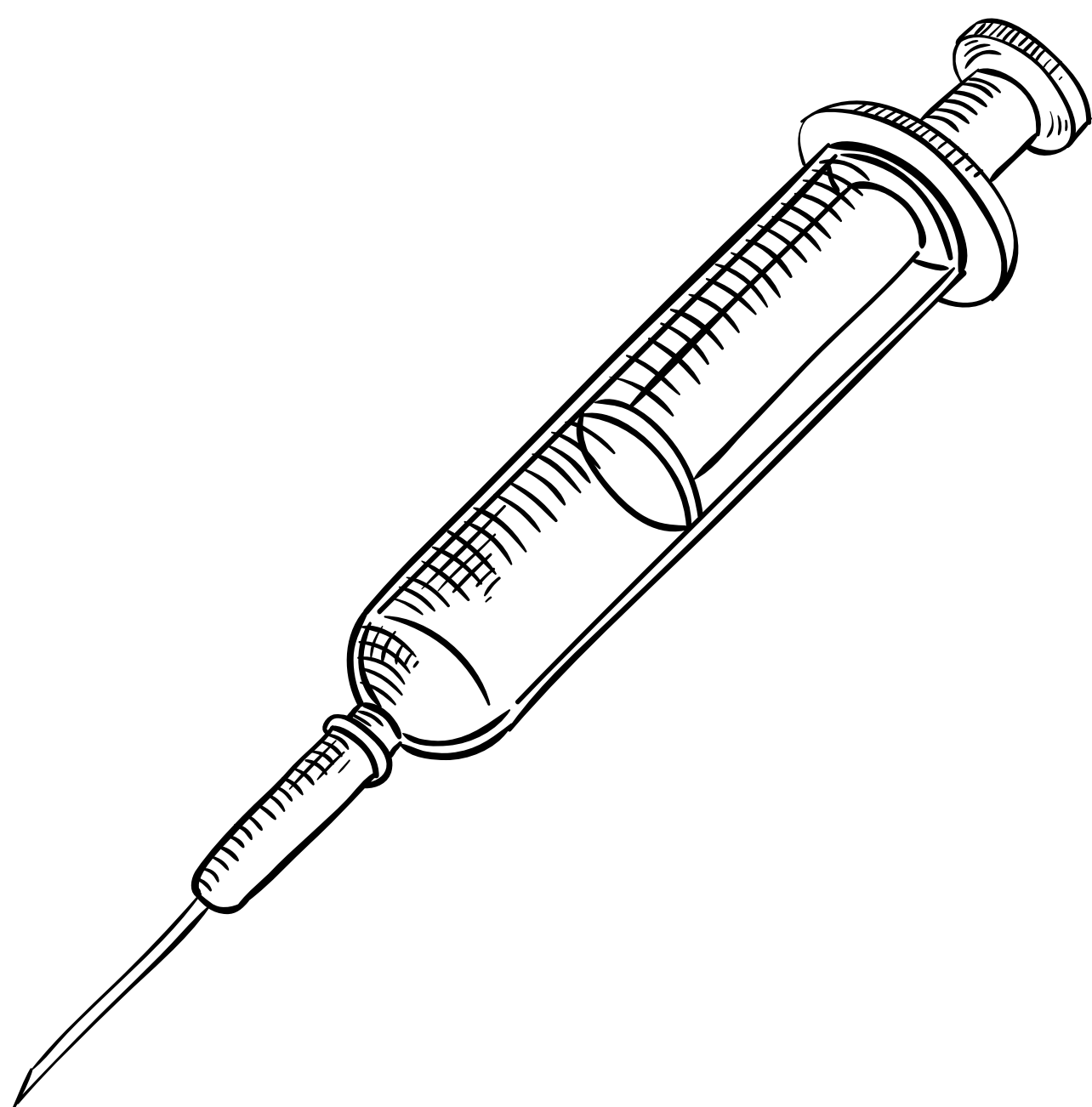


[Link: research results](#)

Specification



Name of product	SMICHAE SUB Q	SMICHAE DEEP	SMICHAE FINE
Gel type			
Composition	Hyaluronic acid 24MG / lidocaine 0.3%		
Package	1.1ml x 2 Syringes / 1Box		
Injection depth	Hypodermis	Middle and deep dermis	Middle dermis
Injection area	Nasolabial folds, chin, body contour	Brow lines, puppet lines, nose contour	Periorbital line, lip contour
Effect	More than 12 months	From 6 to 12 months	From 3 to 6 months
Viscosity	~ 310-290 pa-s	~ 210-190 pa-s	~ 90-120 pa-s



SMOCHAE

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