



apriline[®]

FILLERS



Product information for doctors

suisselle 

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ABOUT SUISELLE



Suisse is a **science-driven swiss company**, located in the biotech hub of Yverdon-les-Bains in **Switzerland**, with a strong focus on **Research and Development in the field of innovative Cell Therapy and Hyaluronic Acid**.

SUISELLE's mission is to **specialize in Cell and Hyaluronic Acid Research to create unique, innovative technologies for cell repair and skin rejuvenation**. We develop aesthetic medicine products which offer maximum rejuvenation effect with minimal invasivity.

Suisse product range is designed with the patients' safety and skin health in mind and made in accordance **with the highest quality standards of cosmetics and medical device manufacturing (ISO 22716, ISO 13485 and ISO 9001)**.



ISO 22716
ISO 13485
ISO 9001



Apriline® - a range of Hyaluronic Acid fillers for wrinkle lifting and anti-aging procedures.



apriline® FILLER Normal

Apriline® Normal is indicated for the correction of moderate to severe wrinkles in the facial area.



apriline® FILLER Forte

Apriline® Forte is an all-around filler designed for the treatment of deep wrinkles, cutaneous depressions, folds, and facial contours.



apriline® BOOSTER Hydro

Apriline® Hydro is a skin-boosting treatment providing overall improvement in texture, elasticity, fine wrinkles and surface of the skin.



New Lidocaine products

Apriline® line of fillers is now available with lidocaine for more patient comfort during and after procedure.

APRILINE® TECHNOLOGY



Suisselle's **A.P.R.I. approach** was developed by scientists with a long track record in Hyaluronic Acid research.

ABSOLUTE



Apriline® filler line has an **exceptionally high purity** thanks to the advanced one phase technology.

PRACTICAL



Applications of Apriline® are **safe and comfortable** for patients whilst also easy to administer and control by physicians.

RELIABLE



100% effective and homogeneous cross linking grants Apriline® a top level reliability.

INTELLIGENT



Dispersion and homogeneous integration in the dermis gives Apriline® filler optimal wrinkle lifting.

BIOFERMENTATION 01

Apriline® is formulated with **Non-Animal Hyaluronic Acid** obtained from biofermentation.

02 CROSS-LINKING

In order to make a denser and more stable gel, **BDDE** is added to create cross links between HA chains.

03 HOMOGENIZATION

The gel is homogenized for greater **softness and elasticity**. As a result it is easy to use even with thin cannula.

04 GEL PURIFICATION

Extremely high purity levels are reached during HA purification stage, which are well above the strict EU requirements for medical devices.

05 STERILIZATION

The syringes are **sterilized** by moist heat in order to guarantee the absence of contamination.

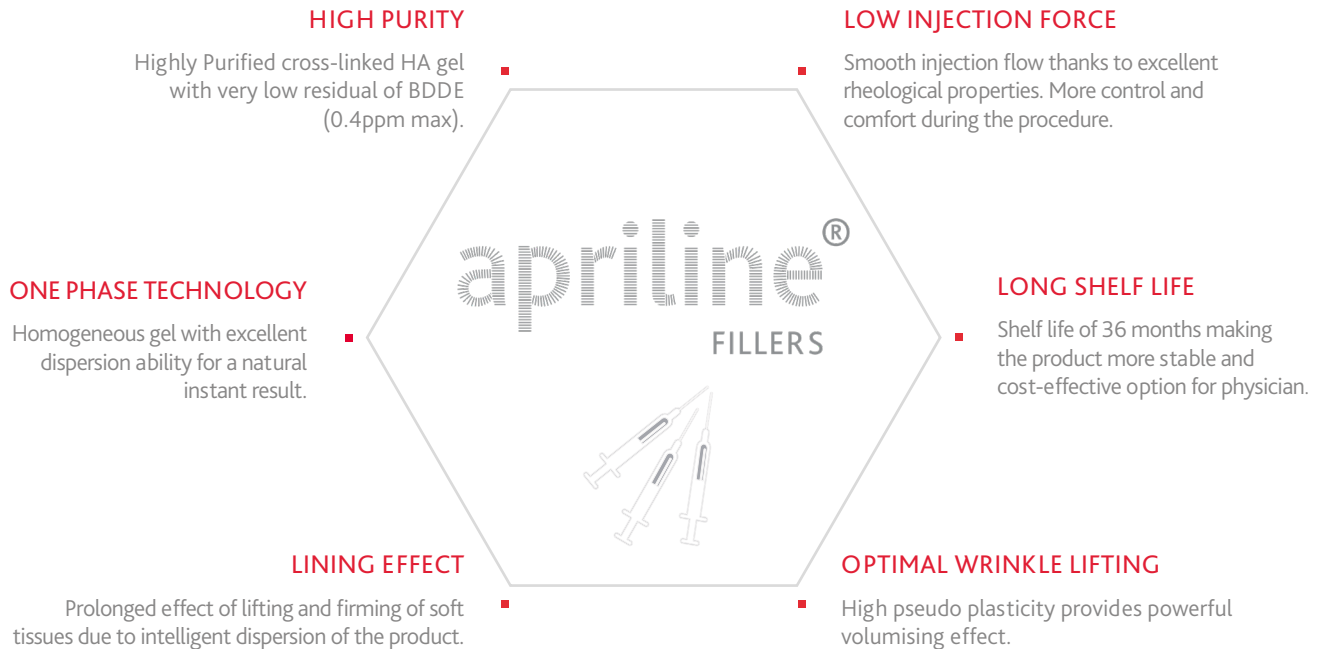
06 PACKAGING

The syringes are released after further inspections and strict Quality Control for **ensuring safety** in accordance with the EU standards.



80% OF INJECTED VOLUME AFTER 9 MONTHS*

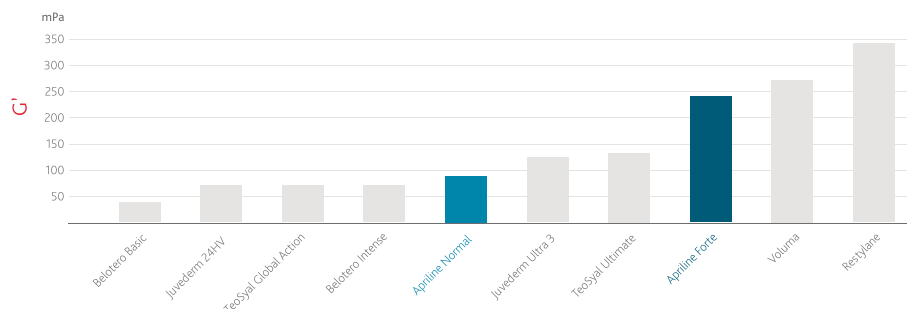
*with Apriline® Forte, clinical study made by GREDECO, independant laboratory.



COMPARISON CHARTS

APRILINE® - ONE PHASE GEL WITH EXCELLENT ELASTICITY

Apriline® fillers are homogeneous gels with high elasticity, easy to modulate in the dermis and have high lifting capacity.

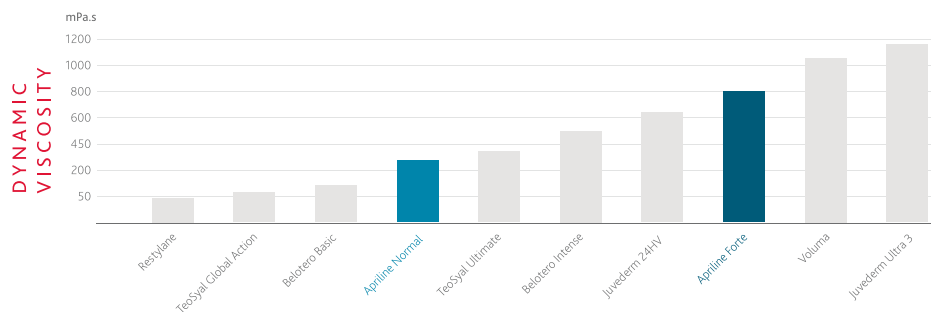


ELASTICITY

A measure of the gels stiffness. A higher G prime indicates a firmer gel, whereas fillers with lower G primes are softer and spread through the dermal tissue more readily.

APRILINE® - A DENSER FILLER | A PERFECT SHAPER

Apriline® fillers have a high dynamic viscosity, granting predictable results after injection.

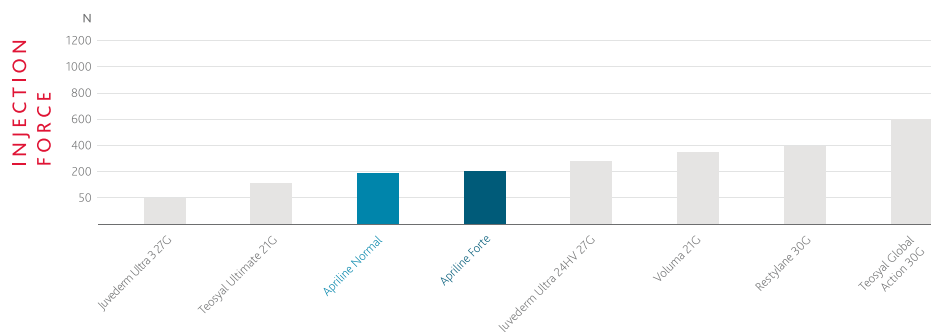


DYNAMIC VISCOSITY

Is related to the flow of the filler and how spreadable the filler is. A dense, viscous filler is able to keep its shape better, while a thinner filler will conform to the underlying tissues more.

APRILINE® - LOWER INJECTION FORCE FOR MAXIMUM COMFORT

Apriline® fillers are homogeneous gels with high elasticity, easy to modulate in the dermis and have high lifting capacity.



INJECTION FORCE

Homogenous well-balanced gels result in smooth injection profiles allowing professionals to use higher gauge needles for minimal discomfort.

APRILINE® - A COMPREHENSIVE SOLUTION FOR YOUR SKIN

APRILINE® FILLERS

VERSATILITY

The Apriline® product range covers a multitude of facial aesthetic needs. Apriline®'s versatility allows professionals to tailor treatments to patient needs.

ELASTICITY & VISCOSITY

Optimal elasticity and viscosity makes Apriline® Normal the right choice for treating sensitive areas. It provides natural-looking results that last.

VOLUMIZING

High viscoelastic profile gives Apriline® Forte the ability to lift folds and deep wrinkles as well as restore soft tissue volume and contours effectively.

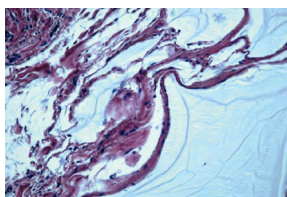
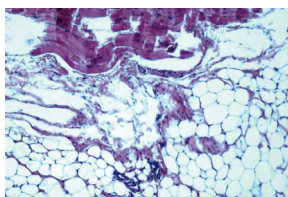




Based on the following histological studies, the estimated period of biodegradation of Apriline® Normal and Apriline® Forte is 6 - 12 months.

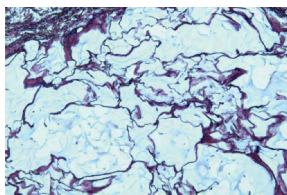
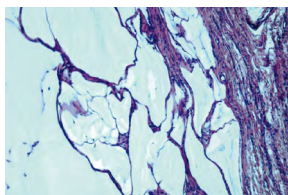
INTRADERMAL INJECTION**SUBCUTANEOUS INJECTION****RESULTS**

DAY 3



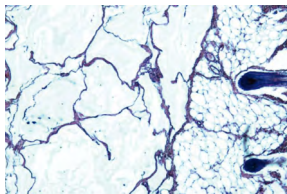
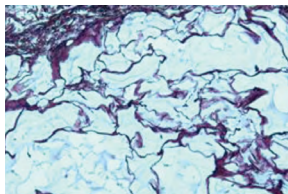
On the 3rd day from the time of injection there was an interstitial edema along with a moderate polymorphonuclear cell response that completely regressed by the 10th day.

DAY 10



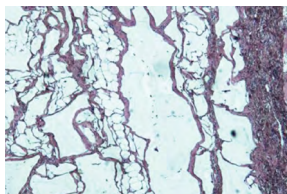
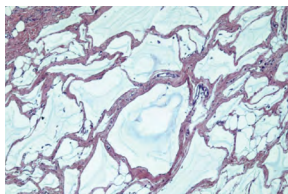
On the 10th day a friable granulation tissue is formed around the gel in such a way that fibroblasts and emerging fibers appear randomly. The collagen fibers of the dermis have normal architectonics.

DAY 30-50



On the 30th / 50th day from the time of product administration, there is a formation of trabecular connective tissue frame. A friable granulation tissue composed of spindle-shaped fibroblasts, thin collagen fibers, numerous thin-walled vessels and the material, not affected by resorption, is formed between trabeculae.

DAY 90



On the 90th day, the trabecular framework of connective tissue consists of a fibrous network, with elements of neoangiogenesis as capillaries. No signs of condensation, disaggregation or resorption of the material are present.

This study demonstrates the safety of Apriline® dermal fillers. Apriline® fillers were well tolerated, the histological analysis shows an inflammatory reaction to the injected material of mild or moderate grade.

CONCLUSIONS

01 APRILINE® SAFETY PROFILE

Within 10 days after the injection there are no signs of inflammation; it does not form connective-tissue capsules.

02 NATURAL CORRECTION OF DERMAL DEPRESSION AND SUBCUTANEOUS VOLUME REDUCTION

Good integration in dermal and subcutaneous tissue and synthesis of new connective tissue.

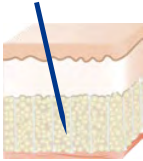
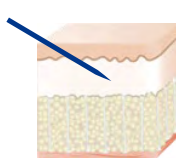
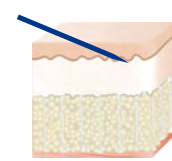
03 OPTIMAL TISSUE INTEGRATION

Homogeneous distribution of the product in the dermal and subcutaneous tissue.

04 LINING-EFFECT

The created trabecular connective-tissue framework provides mechanical strengthening of the dermis and hypodermis, giving a long-lasting rise to wrinkles and sagging skin.



Indications	Deep wrinkles and folds, facial contours	Universal filler: moderate lines and wrinkles in all facial areas	Small lines, superficial wrinkles and improvement of tone, firmness and elasticity of the skin.
Injection depths	Deep dermis, subcutis or supraperiosteally 	Mid to deep dermis 	Superficial dermis 
Concentration HA mg/ml	23	23	18
Molecular weight, MDa	2.5-3	2.5-3	3
pH	6.8-7.4	6.8-7.4	6.8-7.6
Dynamic viscosity, mPa.s	~1,000,000	~500,000	~150,000
Elasticity G', mPa	~225,000	~84,000	
Injection force, N	~14,90	~13.80	
BDDE, ppm (max)	0.4	0.4	
Needle	2 x 27G 1/2	2 x 27G 1/2	2 x 30G 1/2
Duration of effect, months	8-12	6-10	3 to 6
Treatment Areas	○ Cheeks ○ Nasolabial folds ○ Marionettes Lines ○ Chin ○ Facial Depressions ○ Nose ○ Lip Augmentation	○ Forehead Furrows ○ Glabellar Lines ○ Nasolabial Folds ○ Perioral Wrinkles ○ Marionettes Lines ○ Lip Volume & Contour ○ Oral Commisures	○ Face ○ Neck ○ Décolleté ○ Back of hands ○ Perioral Wrinkles ○ Upper arms ○ Elbows

* With or without Lidocaine

All Apriline products contain 1 syringe of 1 ml

TREATMENT AREAS

APRILINE® FILLERS

apriline®
FILLER
Forte

Cheekbones and cheek lines

Nasolabial lines

Marionette lines

Chin lines

Cheekbones and cheek volume

Nasolabial folds

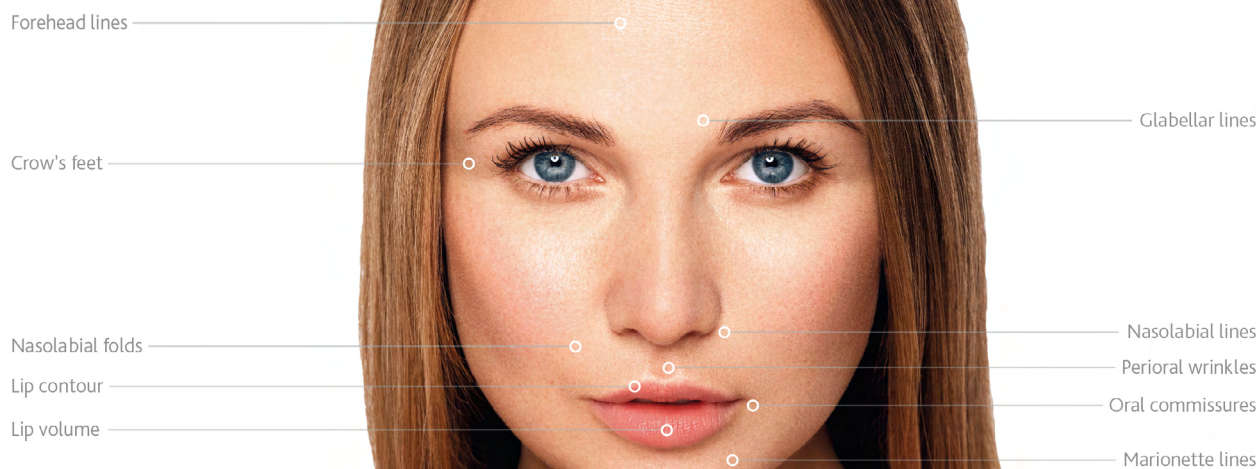
Lip volume

Chin folds



TREATMENT AREAS

apriline®
FILLER
Normal



TREATMENT AREAS

APRILINE® FILLERS

apriline®
BOOSTER
Hydro

Face

Neck

Back of hands

Décolleté

Upper arms

Other treatment area
Elbows



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