AURAFEEL ™

Sense of Confidence

WHO ARE WE?

Founded in 2014, CSN Pharma is a pharmaceutical and nutraceutical firm based in Canada. Our dedication lies in promoting biotechnology-driven innovation, with a focus on exosome-based cosmetics and cutting-edge nutraceuticals that promote longevity and well-being. Through innovative research, clinical knowledge, and next-generation formulations, we are transforming nutrition, regenerative medicine, and skin health with a solid scientific basis. Through tested, game-changing breakthroughs, our Aura family of products empowers people to attain radiant skin, robust health, and holistic well-being, setting new industry standards in skin rejuvenation, hair restoration, and advanced wellness solutions.

Your Sense of Confidence...

What Makes Aurafeel™ Special?

- Innovative MXM® Technology
- Natural Appearance
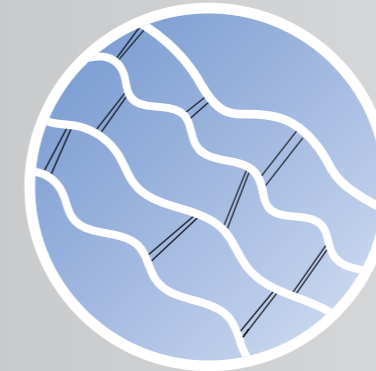- Painless Injection
- High Patient Satisfaction

MXM®
TECHNOLOGY

The AURAFEEL™ dermal fillers are manufactured using our patented Modified Cross-linking Matrix (MXM®) technology to create a unique viscoelastic gel with a variable density of hyaluronic acid, which provides an appropriate filling, volumizing and lifting of the skin.
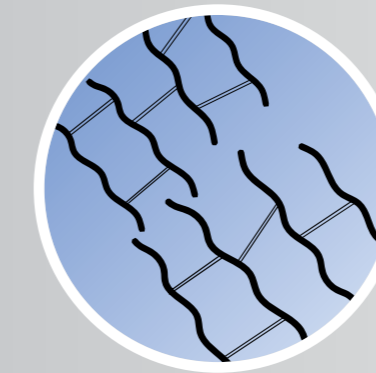
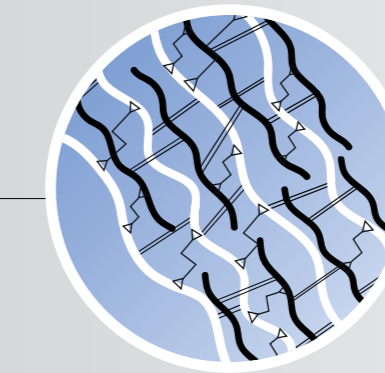**PHASE 1**
HA in its original form

PHASE 2
Linearization of the individual HMW* HA chains and process of physical cross-linking
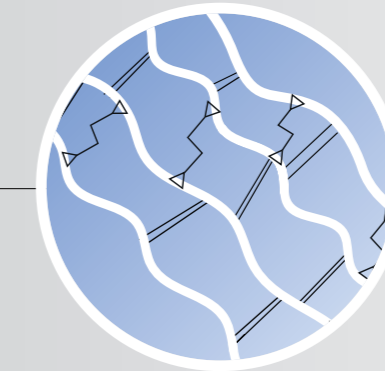
PHASE 3
HMW* HA cross-linking process with BDDE

PHASE 4
Utilization of individual LMW** HA chains and process of physical cross-linking

PHASE 5
Combination of cross-linked LMW** and HMW* HA chains

The highest cross-linking efficiency and safety were gained by inputting the lowest amount of BDDE as a chemical catalyst material. Therefore, a high viscoelastic gel is manufactured.

The rheological properties, including cohesivity, elasticity, and plasticity, will be optimized to match the needs of the targeted layer of the skin.

*   HMW: High Molecular Weight
** LMW: Low Molecular Weight

RHEOLOGICAL CHARACTERISTICS

Elastic modulus (G') Measures elastic properties. [1]
Viscous modulus (G") Measures viscous properties. [1]
Complex modulus (G*) Measures overall viscoelastic properties or "hardness." [1]
Tan δ Measures the ratio between viscous and elastic properties. [1]
MoD Total % Degree of Modification = % Cross-link + % Pendant. [2]

Tan δ determines whether the material is mainly elastic (tan δ < 1), exhibiting a gel-like behavior (e.g., a block of gelatin), or whether it is mainly viscous (tan δ > 1), behaving more like a viscous liquid (e.g., honey). [2]

In cross-linked HA fillers, tan δ is usually low (ranging from 0.05 to 0.80), meaning that the elastic (i.e., gel-like) behavior under low shear stress is dominant over the dense (i.e., liquid) behavior. Lower than δ is usually associated with higher G' because HA fillers always have low G". [3]
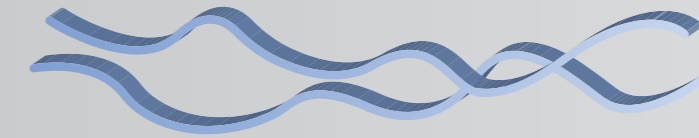
A
Non-Cross-Linked HA = Liquid

B
Cross-Linked HA = Gel

C
Modified HA with Pendant Cross-Linker

A. Such structures often result in softer gels.
B. Modifying HA molecules by cross-linking improves mechanical properties by creating gels with a firmer structure and can resist degradation.
C. The modification does not necessarily cross-link HA to other HA molecules, resulting in a pendant cross-linker. [4]

1.   Edsman, K., L. I. Nord, Å. Öhrlund, H. Lärkner and A. H. J. D. S. Kenne (2012). "Gel properties of hyaluronic acid dermal fillers." 38(7pt2): 1170-1179.
2.   Kablik, J., G. D. Monheit, L. Yu, G. Chang and J. J. D. S. Gershkovich (2009). "Comparative physical properties of hyaluronic acid dermal fillers." 35: 302-312.
3.   Pierre, S., S. Liew and A. J. D. s. Bernardin (2015). "Basics of dermal filler rheology." 41:S120-S126.

4.   Kablik, J., G. D. Monheit, L. Yu, G. Chang and J. J. D. S. Gershkovich (2009). "Comparative physical properties of hyaluronic acid dermal fillers." 35: 302-312.

THE BEST RHEOLOGICAL RATIO

Due to innovative and distinctive technology, AURAFEEL™ fillers have the most optimal ratio of rheological properties. The wide range of AURAFEEL™ fillers suggests a holistic solution for each patient based on their skin's anatomic structures.
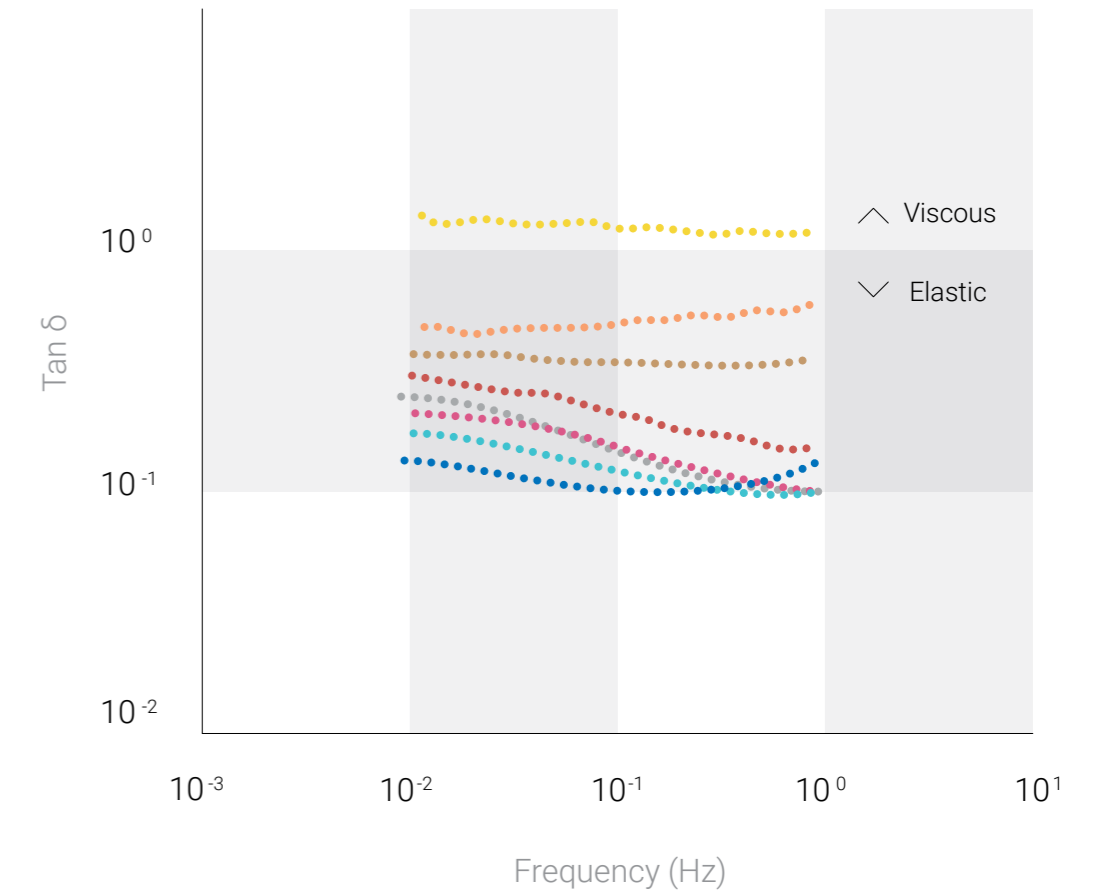
ELASTICITY
For optimal tissue support

COHESIVITY
For excellent tissue integration

PLASTICITY
For excellent malleability

COMPARABLE RHEOLOGICAL PROPERTIES [5]

- ••• AURAFEEL S®
- ••• AURAFEEL M®
- ••• AURAFEEL L®
- ••• AURAFEEL XL®
- ••• BELOTERO SOFT®
- ••• BELOTERO BALANCE®
- ••• JUVEDERM VOLUMA®
- ••• TEOSYAL ULTRA DEEP®

∧ Viscous
∨ Elastic

Tan δ

10^0
10^{-1}
10^{-2}

10^{-3} 10^{-2} 10^{-1} 10^0 10^1

Frequency (Hz)

5.   Santoro, S., L. Russo, V. Argenzio, A. J. J. o. A. B. Borzacchiello and Biomechanics(2011). "Rheological properties of cross-linked hyaluronic acid dermal fillers." 9(2): 127-136.

G* and MoD in DIFFERENT DERMAL FILLERS [6-7]

AURAFEEL™offers optimized lifting capacity along with the least MoD for more safety.
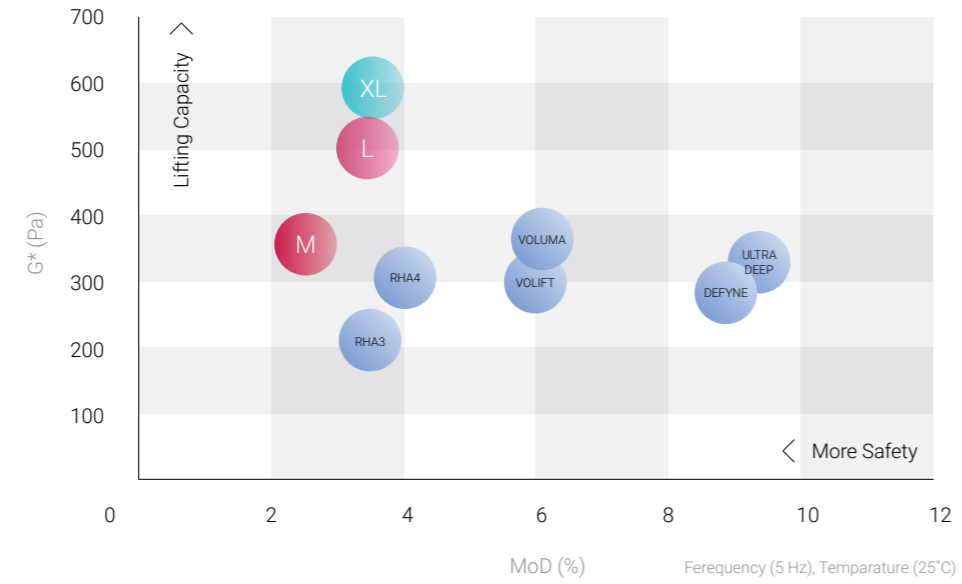
Tan δ and MoD in DIFFERENT DERMAL FILLERS [6-7]

AURAFEEL™ offers an optimized tan δ employing MXM® technology.

6.   Pierre, S., S. Liew and A. J. D. s. Bernardin (2015). "Basics of dermal filler rheology." 41: S120-S126.
7.   Santoro, S., L. Russo, V. Argenzio, A. J. J. o. A. B. Borzacchiello and Biomechanics (2011). "Rheological properties of cross-linked hyaluronic acid dermal fillers." 9(2): 127-136.
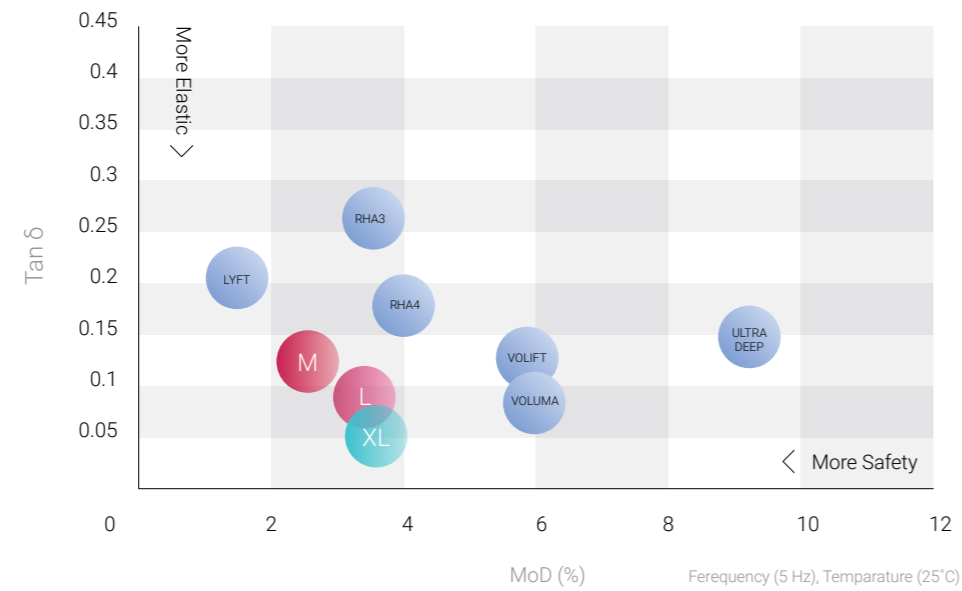
AURAFEEL™ is the go-to partner for anyone looking for smooth, natural-looking results due to our comprehensive selection of clinical driven hyaluronic acid fillers.

Face diagram labels:
- S L XL (forehead)
- S (brow)
- S (under eye)
- L XL (cheek/temple)
- M L (nasolabial)
- L XL (mid-face)
- M (lips/mouth)
- L XL (jaw)
- Light (neck/décolletage)

	Light	S	M	L	XL
Cross-linking level	◐○○○	●○○○	●●○○	●●●○	●●●●
HA Concentration	10 mg/ml	19 mg/ml	20 mg/ml	23 mg/ml	25 mg/ml
Lidocaine	0.3 %	0.3 %	0.3 %	0.3 %	0.3 %
Needle size	30 G½	30 G½	30 G½ 27 G½	27 G½	27 G½ 25 G½
Volume	2 × 1 ml	2 × 1 ml	2 × 1 ml	2 × 1 ml	2 × 1 ml
Indications	Skin hydration for: · Face · Neck · Décolletage · Back of hands	Correction of superficial wrinkles, such as: · Crow's feet · Glabellar lines · Perioral lines · Lip contouring	Correction of moderate wrinkles, such as: · Nasolabial wrinkles · Marionette lines · Oral commissures · Lip volume	Correction of severe wrinkles, such as: · Nasolabial folds Facial lifting in: · Cheeks · Chin · Temples	Shape and restoration of facial volume in: · Cheekbones · Chin · Jawline · Temples

AURAFEEL™ | **Light**
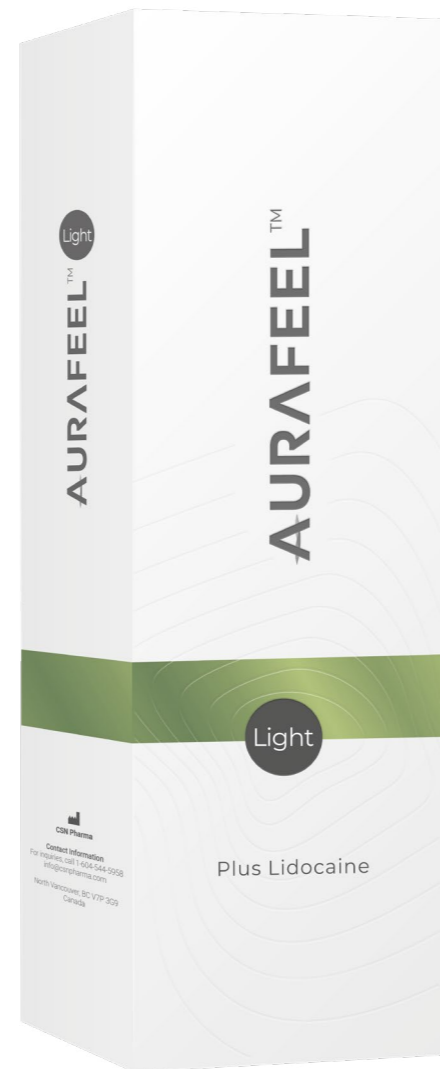### Plus Lidocaine

Indications:
Skin hydration for:
- Face
- Neck
- Décolletage
- Back of hands

Syringe: 2 x 1 ml
Needle Size: 30 G½

Concentration:
10 mg/ml, Cross-linked HA
Lidocaine: 0.3%

AURAFEEL™ | **S**
Plus Lidocaine

Indications:
Correction of superficial wrinkles, such as:
- Crow's feet
- Glabellar lines
- Perioral lines
- Lip contouring

Syringe: 2 x 1 ml
Needle Size: 30 G½

Concentration:
19 mg/ml, Cross-linked HA
Lidocaine: 0.3%

AURAFEEL™ | M
Plus Lidocaine

Indications:
Correction of moderate wrinkles, such as:
- Nasolabial wrinkles
- Marionette lines
- Oral commissures
- Lip volume

Syringe: 2 x 1 ml
Needle Size: 30 G½ & 27 G½

Concentration:
20 mg/ml, Cross-linked HA
Lidocaine: 0.3%

AURAFEEL™

M

Plus Lidocaine

AURAFEEL™ | L
Plus Lidocaine

Indications:
Correction of severe wrinkles, such as:
- Nasolabial folds

Facial lifting in:
- Cheeks
- Chin
- Temples

Syringe: 2 x 1 ml
Needle Size: 27 G½

Concentration:
23 mg/ml, Cross-linked HA
Lidocaine: 0.3%

AURAFEEL™

L

Plus Lidocaine

AURAFEEL™ | XL
Plus Lidocaine

Indications:
Shape and restoration of facial volume in:
- Cheekbones
- Chin
- Jawline
- Temples

Syringe: 2 x 1 ml
Needle Size: 27 G½ & 25 G½

Concentration:
25 mg/ml, Cross-linked HA
Lidocaine: 0.3%

AURAFEEL™

XL

Plus Lidocaine

AURAFILL™ 10mL

Indications:
- Giving volume to flabby skin
- Body shaping and contouring
- Buttocks enlargement
- Calf shape correction
Tissue augmentation of the breasts and hip dips

Syringe: 1 x 10 ml

Concentration:
24 mg/ml, cross-linked HA

AURAFILL™

10

Cross-Linked Hyaluronic Acid
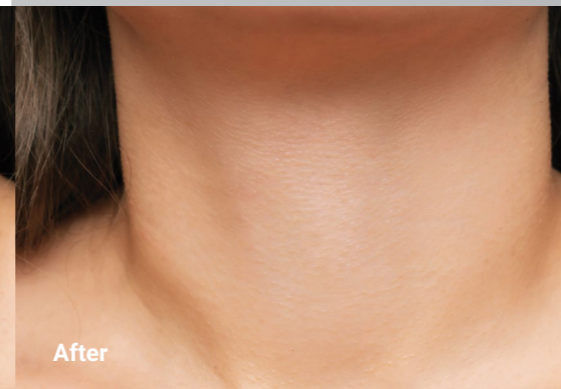
AURAFEEL™ | Light
Plus Lidocaine
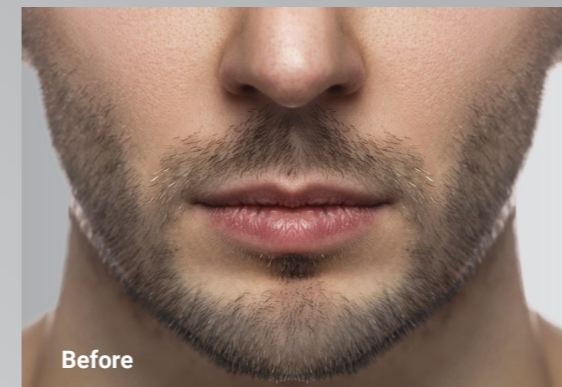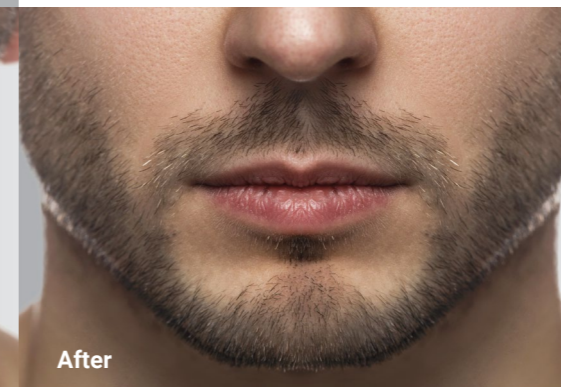
AURAFEEL™ | S
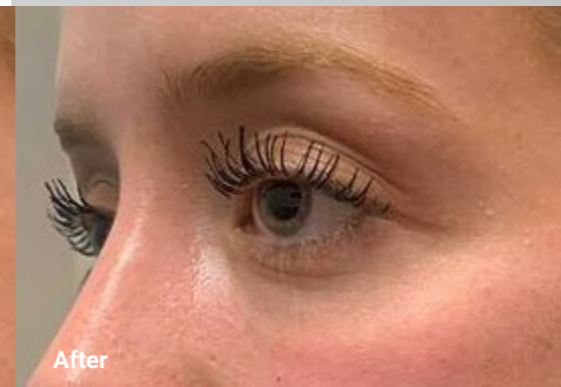Plus Lidocaine

AURAFEEL™ | M
Plus Lidocaine

AURAFEEL™ | L
Plus Lidocaine

AURAFEEL™ | XL
Plus Lidocaine

AURAFILL™
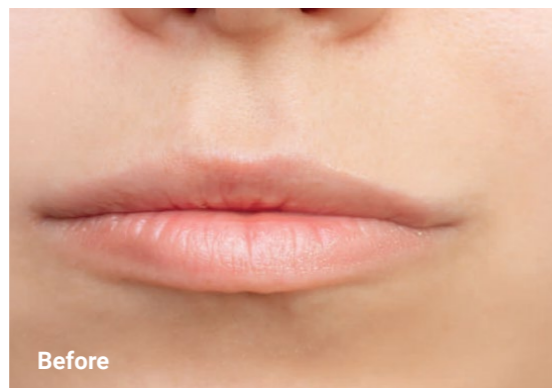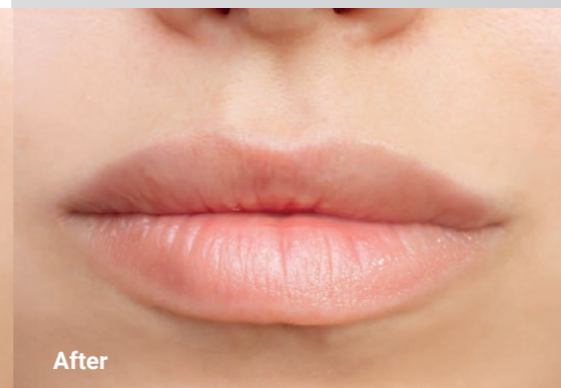
Before   After
Before   After
Before   After
Before   After
Before   After
Before   After

AURAFAMILY

Manufactured By CSN Pharma

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