



Distributor



VISIONMED LTD.

B-1601 SK Metrocity, 128 Beobwon-ro, Songpa-gu,
Seoul, 05854 Republic of Korea

Tel. +82-2-3482-1181 / Fax. +82-2-3482-1182

E-mail: info@vmed.co.kr / Website: www.vmed.co.kr



16-25, Dongbaekjungang-ro 16beon-gil, Giheung-gu,
Yongin-si, Gyeonggi-do, Korea

Tel. +82-70-4337-6920 / Fax. +82-70-4032-2283

www.jetema.com



Headquarters: unit 4, 2nd floor, No. 30, Esfandiar Blvd.,
Valiaser Street, Tehran, Iran.

Phone: (+98)21 88 79 61 41 / (+98)21 88 78 01 83

www.masoondarou.com / info@masoondarou.com

www.starfill-ir.com



Starfill

Cross-Linked Hyaluronic Acid

Formulated for:
Natural Effects
Optimal Shaping
Long Lasting Effects

CE Certified
Trusted by Aesthetics in UK

 **mdpc**
Biotechnology and Biopharmaceuticals
Masoondarou Co.





www.masoondarou.com
info@masoondarou.com

Key Qualities

Balance of longevity, Safety, Precision, and Ease - All in one syringe

01



Long-lasting Results

- Durability
- Retention



Aesthetic Precision

- Symmetry
- Definition



Value Efficiency

- Affordability
- Performance



Clinical Safety

- Purity
- Reliability



Smooth Application

- Injectability
- Easy to Control

Starfill

Cross-Linked Hyaluronic Acid





02

Purity of Raw HA

HA raw material for Starfill undergoes;
in-coming inspection at the factory

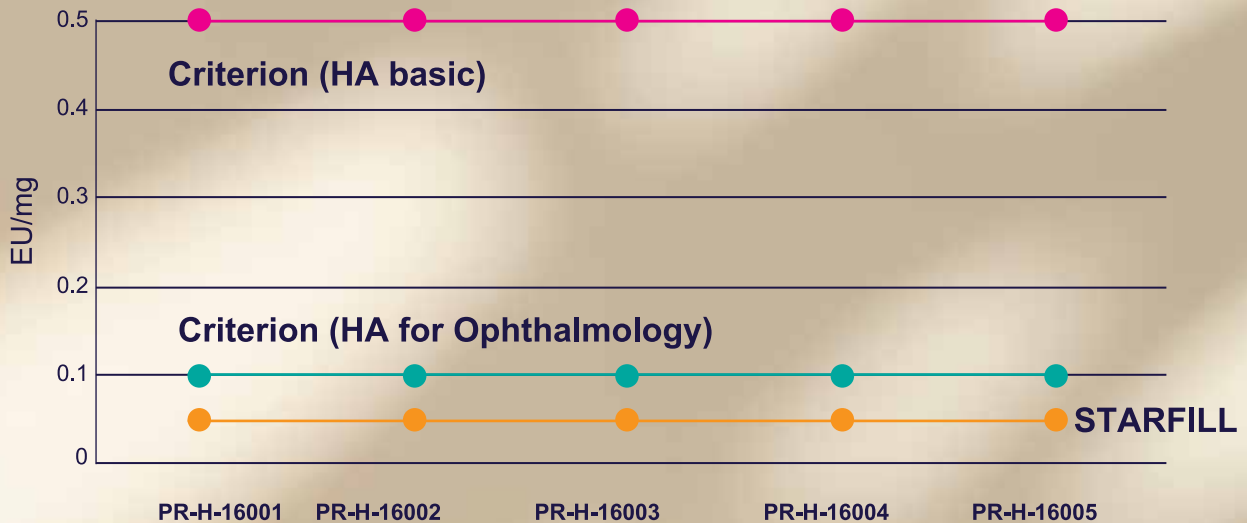
Each batch is carefully measured
for compliance

It is managed to 0.5 EU/mg below European
Pharmacopoeia (EP) standards

Purity of HA

03

(Measure : Endotoxin)



"Managed to 0.5 EU/mg below EP standards"



ZEROX TECHNOLOGY

**ZERO ENDOTOXIN & RESIDUALS
OPTIMIZATION EXCELLENCE**

Minimized Endotoxins & Residual BDDE for Enhanced Safety

Starfill minimizes endotoxins (below 0.1 EU/ml) and reduces residual BDDE to nearly zero, thanks to our advanced "ZEROX" process (Zero Endotoxin & Residuals Optimization Excellence), ensuring minimal risk of injection-related side effects.



Enhanced Cross-Linking



Incomplete Cross-linking HA gel



StarFill HA Gel

 Fully reacted BDDE
  Pendant BDDE
  Deactivated BDDE

Through the improved cross-link process, the flexible HIVE structure keeps the stability for viscoelasticity of Starfill Plus, Deep Plus and Implant Plus.

Ideal viscoelasticity shall lift up the tissue and make easy molding and maintain the natural shape.



What ZEROX can do ?



QUALITY
CONTROL



MINIMIZED



OPTIMIZED



Minimize 2 side effects



ENDOTOXIN

Endotoxin criterion of STARFILL is less than 0.1 EU/ml
Current actual measured value : 0.03 EU/ml



The legal permitted residual BDDE is less than 2ppm
but, STARFILL manages it as zero detection.

Starfill effectively reduces filler side effects through the ZEROX process.

A close-up photograph of a woman's face, focusing on her eyes and skin. A large, semi-transparent purple circle is overlaid on the right side of the image, containing white text. The woman has light blue eyes and is wearing a white glove on her hand, which is visible at the bottom of the frame.

Impact of HA Molecular Size & Content

	Micro-Molecular HA	Middle-Molecular HA	Macro-Molecular HA
EFFECT/ CHARACTERISTIC	Could cause inflammation and angiogenesis	Best condition for cross-linking reaction, ideal duration, and stability	May cause edema due to excessive water uptake
REFERENCES: ● Hyaluronic acid: A key molecule in skin aging (Dermato-endocrinology 4:3, 253-258; July-December 2012) ● Influence of Molecular Weight on Swelling and Elastic Modulus of Hyaluronic Acid Dermal Fillers, Polymer (Korea), Vol. 39, No. 6, pp. 976-980 (2015)			

How it Works!

100% Cross-Linked HA



**Consistent
Micro-particles**

Homogenized Particle

Leveraging Starfill's unique 'SILK Process*' technology, we create consistently homogenized particles for flawless, precise molding. Through SILK process of own technology, STARFILL is produced with the even particle size.

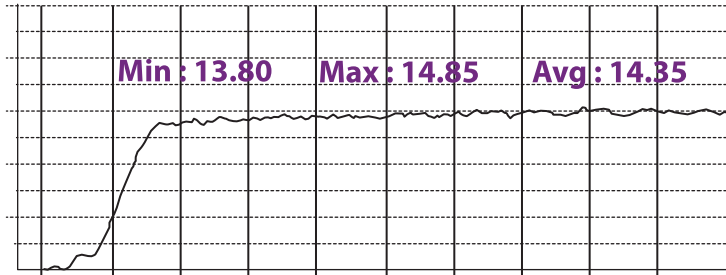
*SILK Process - Smooth Injection & Levelled Kernel Process



Test result of injection pressure (Calculation BLA1605)

09

Homogenized particles optimize Starfill's injection pressure, ensuring precision and enhancing procedure satisfaction.



+ *more STARFILL*

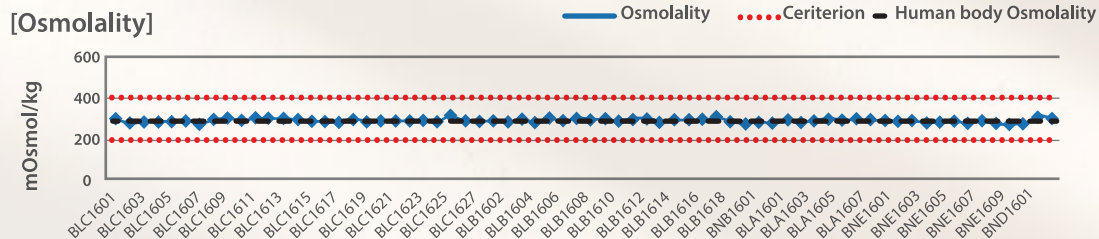
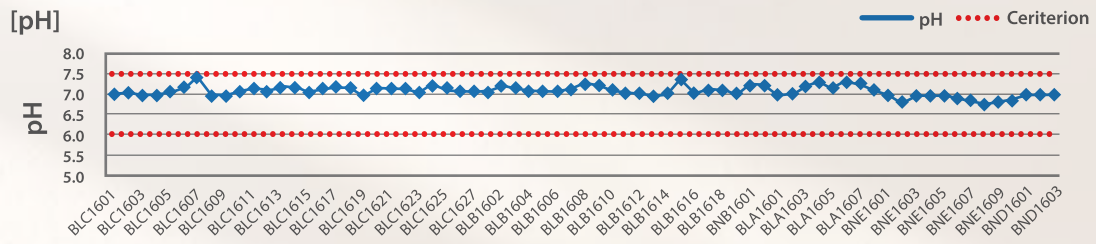
10

SIMILARITY AS HUMAN BODY

* THE NORMAL **BLOOD pH** OF A HUMAN IS BETWEEN 7.35 AND 7.45

** THE NORMAL PLASMA **OSMOLALITY** IN HUMANS RANGES FROM 280 TO 300 MOSM/kg

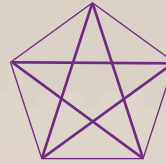
Because STARFILL is produced as same pH as human body and osmolality with 300 mOsmol/kg, it shall reduce the pain and discomforts after procedure.



When the pH and osmolality of a filler match the body's natural levels, it enhances biocompatibility and minimizes discomfort. This leads to safer treatments, reduced inflammation, and more natural results.

Product Overview & Rheology

Product Name	Starfill Plus Lidocaine	Starfill Deep Plus Lidocaine	Starfill Implant Plus Lidocaine
Volume	1.1 ml	1.1 ml	1.1 ml
Main Composition	24 mg/ml Monophasic Hyaluronic Acid + 0.3% Lidocaine	24 mg/ml Monophasic Hyaluronic Acid + 0.3% Lidocaine	24 mg/ml Monophasic Hyaluronic Acid + 0.3% Lidocaine
Recommended Uses	Fine to moderate wrinkles, eye area lines, neck wrinkles and eyebrow shaping	Deep wrinkles like nasolabial folds, forehead lines, chin lines, mouth corners, lip shaping and volumizing	Facial volumizing (cheeks, jawline, chin, forehead, preauricular area), deep wrinkle reduction and nose shaping
Needle Size	1× 27G 1× 30G	1× 27G 1× 27G	1× 25G 1× 27G
Maximum Duration	Up to 12 months	Up to 15 months	Up to 18 months
Depth of Injection	Superficial / Mid Dermis	Mid / Deep Dermis	Subcutaneous / Supraperiosteal Areas
Storage modulus(0.1 Hz)	42.33 Pa	130.52 Pa	264.51 Pa
Loss modulus(0.1 Hz)	17.3 Pa	37.32 Pa	52.89 Pa
Complex viscosity(0.1 Hz)	72.78 Pa.s	216.06 Pa.s	429.31 Pa.s
Tan delta	0.41	0.29	0.20

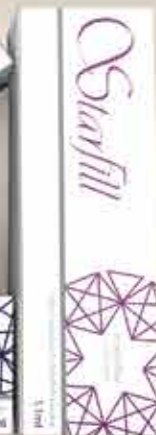


Starfill

Cross-Linked Hyaluronic Acid

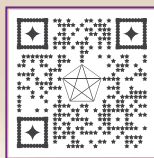


Deep Plus Lidocaine



Implant Plus Lidocaine





www.starfill-ir.com
www.masoondarou.com