

CE mark applicable to REFINIAL Max



Optimal
Viscoelasticity

Lower Adverse
Reaction

Minimum BDDE
& 3D Linking



REFINIAL MAX

GERMAN FREE SALE PROODUCT
MANUFACTURE IN KOREA



“BEAUTY
INSIDE”

REFINIAL is:

- Sterile pyrogen-free physiological gel of cross-linked hyaluronic acid of non animal origin.
- A colorless, odorless and highly viscous aqueous gel.

REFINIAL MAX is:

- Mainly used for facial tissue augmentation.
- Replacing volume in the face and for reconstruction of severe facial depressions.
- Injected into the deep layer of the dermis.
- Indicated for correction of facial wrinkles and folds and facial tissue augmentation to be restored.





REFINIAL MAX

PRODUCT-SPECIFIC TREATMENT AREA

Nose Shaping



Cheek Definition



Nasolabial folds



Verticals Lip Lines



Lip Border & Volume



Mouth Frown



Marionette Lines/ Jowls



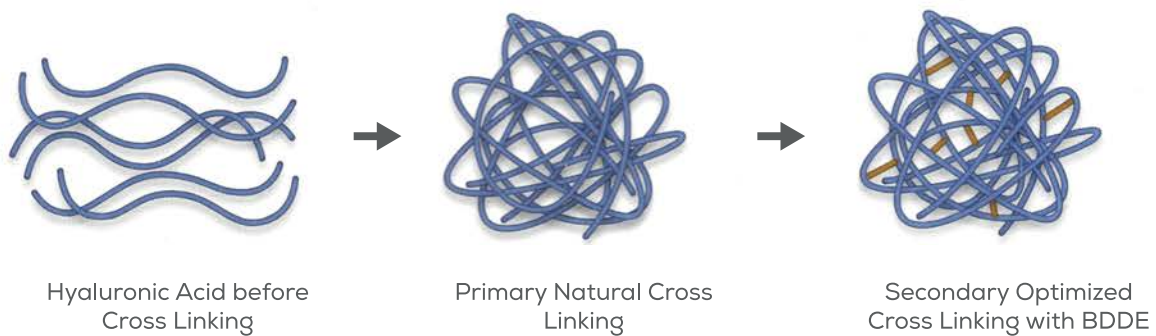
Mental Crease



Minimum BDDE & 3D Linking

3D Cross Linked Hyaluronic Acid Dermal Filler

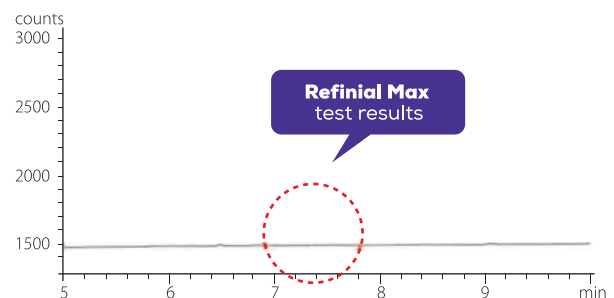
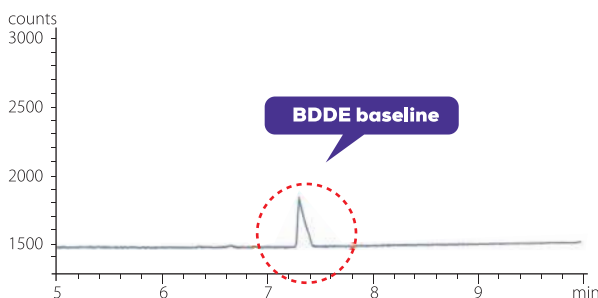
- ✓ **Refinial Max** use non-animal based hyaluronic acid having a molecular weight of 2,500,000 Da as the ingredient.
- ✓ Optimum viscosity and elasticity are achieved simultaneously by applying **Refinial Max** unique technology which is capable of making 3D structure using a small amount of cross-linking agent.



BDDE Residue and Endotoxin are Strictly Processed Under Careful Control

- ✓ **Refinial Max** is a product with low residue that has achieved safety standards after applying BDDE purification process 4 times.

→ Showing low BDDE as a result of strict processing



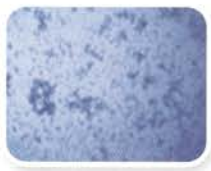
Patented Technology

Particle Plastic Process (Patent No. 10-1223652 >

✓ Achieved uniform particle structure using **Refinial Max** own HA cross-linking technique.

Uniform particle Size

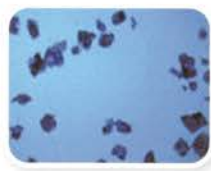
PP process is the technology that can make HA filler particles uniform. Through this optimized PP process, **Refinial Max** has achieved a uniform HA particle size . Uniform particle structure enables constant injection and easy molding there by enhancing the effects of treatment.



HA filler of company A



HA filler of company A



Refinial Max



Ref. 1. Particle size measurement of the BNC Korea, Inc. R&D Center

2. Patent: particle manufacturing apparatus and method of the hyaluronic acid derivative (Registration No. 10-1223652)

Viscoelasticity Raw Data

✓ PP process allows long-lasting volumizing effect due to increase in viscoelasticity.
✓ **Refinial Max** have excellent viscoelasticity thanks to PP process.

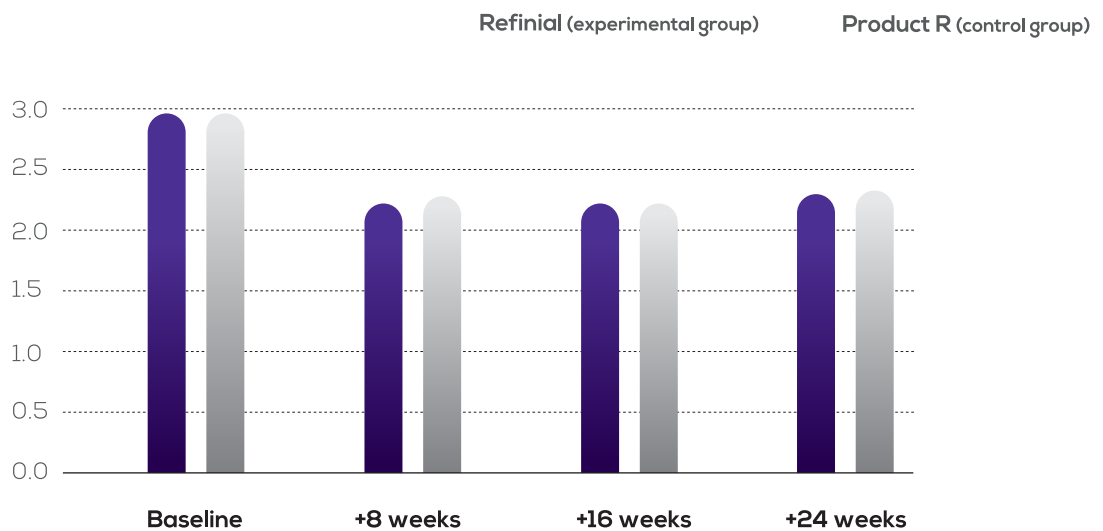
Ref. The viscoelasticity data from the test KOPTRI (Korea Institute of polymer. Co., Ltd)

Clinical Evidence

Refinial Max has received official approval of its effectiveness in anti-wrinkles and safety through comparative clinical trials conducted by major university hospitals in Korea under the approval of the medical device clinical trial from Ministry of Food and Drug Safety.

[Clinical Trial Institution: Korea University Guro Hospital, Seoul Asan Medical Center]

→ Comparison of Wrinkle Severity Rating Scale (WSRS) evaluated by independent evaluator



→ Comparison of Global Aesthetic Improvement (GAI) evaluated by investigator

	+8 weeks	+16 weeks	+24 weeks
Refinial Max (experimental group)	1.6 ± 0.63	1.59 ± 0.74	1.37 ± 0.57
Product R (control group)	1.59 ± 0.63	1.59 ± 0.74	1.37 ± 0.57

→ Comparison of Global Aesthetic Improvement (GAI) evaluated by subject

	+8 weeks	+16 weeks	+24 weeks
Refinial Max (experimental group)	1.47 ± 0.84	1.41 ± 0.92	1.31 ± 0.92
Product R (control group)	1.53 ± 0.78	1.42 ± 0.90	1.19 ± 0.98

Full Line-Up

Cover a Wide Range of Parts With the Full Line-Up of Products.

Refinial Max

- Non animal product
- Cross-linked
- High Hyaluronic Acid Concentration 20mg/ml
- Low Protein Concentration < 0,035.
- Low Endotoxin Level < 0,25 UE/g
- High filling Capacity.
- High Biocompatibility.

In all aspects

- Cross-Link "HA" Deep wrinkles, folds, facial contour and lip enhancement.
- Fine and superficial lines
- Moderate wrinkles and lip enhancement.

Refinial Max is perfect :

- ... in biotechnology
- ... in manufacturing technology
- ... in formulation
- ... in safety
- ... in results
- ... in costs

Refinial Max

- The evolution of Hyaluronic Acid Dermal Filler ready for your use
- Better filling capacity for less injected volume.
- Technology that offers better and safer results.

Better Filling Capacity

The improvement gel structure and stronger bonds retain water constantly, for longer

Higher Biocompatibility

Refinial Max has one of the lowest protein concentration of all the other Hyaluronic Acid products, decreasing the risks of adverse effects.

Cost Effectiveness

Thanks to the latest technology available Refinial Max has the lowest cost per ml of Hyaluronic Acid gel.

Ease of use:

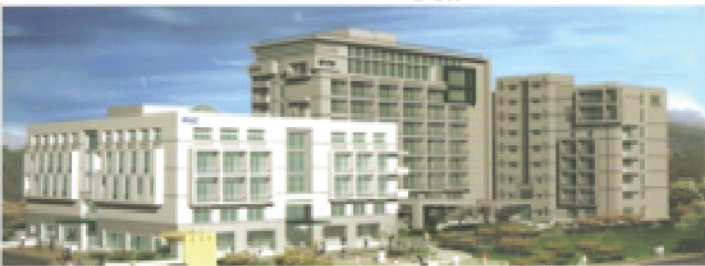
The packaging and preparation of the product has unique storage, application and safety features.

Sterility

The syringe assembly is sterilized, ready for use minimizing risk of contamination.

Long Lasting Results

The long lasting results are due to the reduced amount of Endotoxin combined with a higher Hyaluronic acid concentration. This reduces free radical production at the site of injection, reducing the isovolemic degradation and prolonging filling effect.



Manufactured by **BNC**
A global leader
in the biotech industry

BNC Biotechnology
KOREA Next Challenge

Since BNC Korea, Inc. was first established in 2007, the company has generated incredible accomplishments through prioritizing continuous research and development. Its R&D laboratory developed the hyaluronic acid filler in the field of biomaterials using bio-friendly polymer materials, the first company to do so in the Korean bio-venture industries and a landmark in the field, BNC Korea, Inc. continues to make every effort to develop innovative products in the field of biotechnology and life science technologies.

Refinial Max

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