

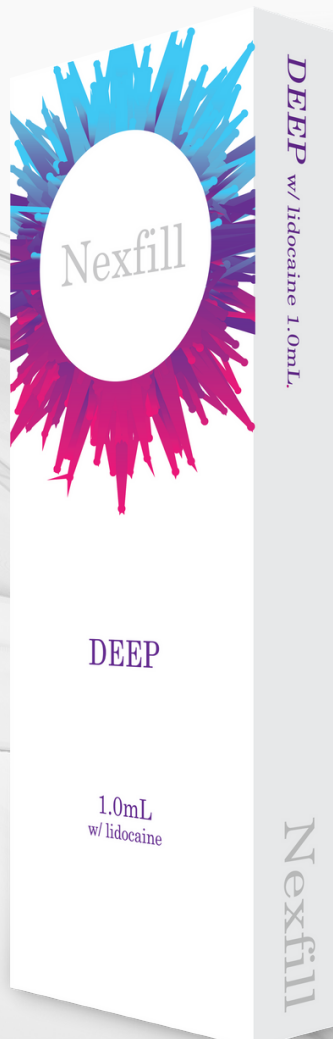
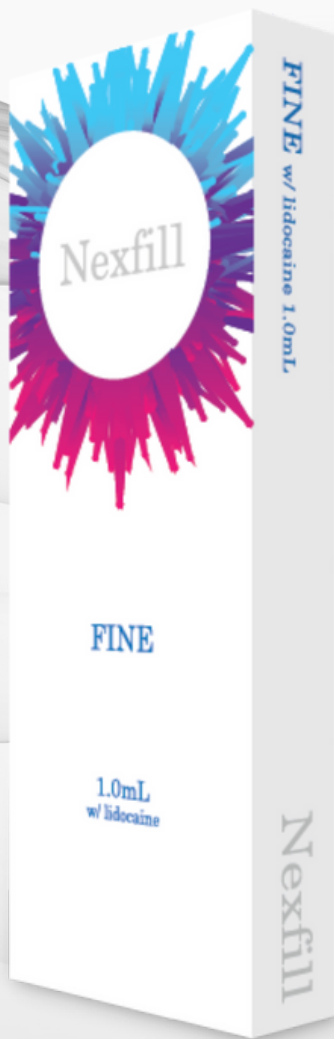
Nexfill

24mg Hyaluronic Acid w/ Lidocaine



Nexfill

24mg Hyaluronic Acid w/ Lidocaine



Nexfill Fine + Lidocaine 0.3%

*Forehead lines, Crow's Feet,
Glabella lines, Neck wrinkles,
Lower eyelid contouring, Tear
Trough*

Nexfill Deep + Lidocaine 0.3%

*Nasolabial folds, Forehead,
Cheeks, Nose, Lips, Chin
Augmentation*

Nexfill Volume + Lidocaine 0.3%

*Nasolabial folds, Forehead, Nose,
Cheeks, Lips, Chin Augmentation,
Body Contour*

Why Nexfill?

1 Minimized BDDE
60% of industry
standard filler BDDE

High Density **2**
Tapping Technology
Premium
viscoelasticity with
physical cross-linking

3 Ultra-Low Impurities
Extensive purification
procedures, resulting in
ultra-low impurities

Premium **4**
Monophasic Filler
Perfect uniformity for
natural looking results

Biphasic



Nexfill (Monophasic)

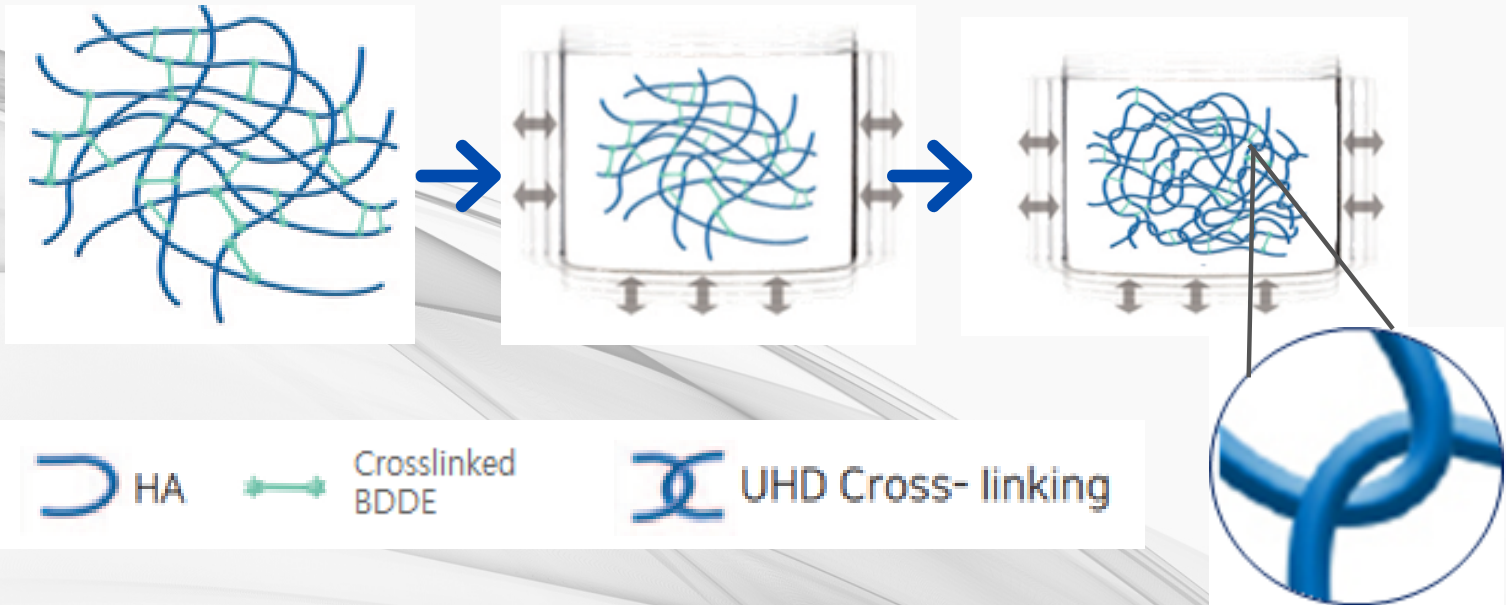


Nexfill

Nexfill Technology

UHD (Ultra High Density) Technology

- ① Cross-linked HA
- ② Vibrating compression phase
- ③ MORE Cross-linked HA







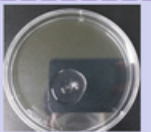

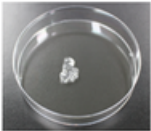
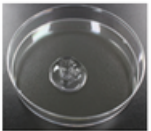


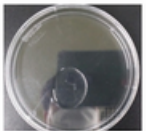
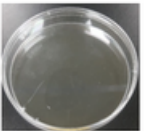
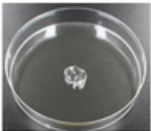
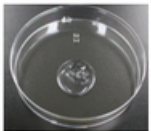
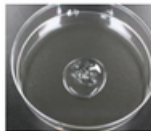

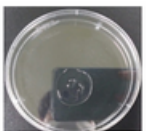
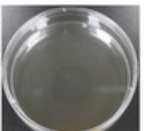


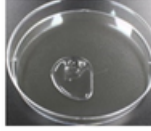

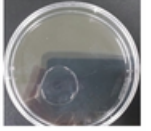
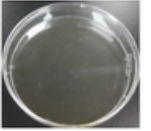
Patented Cross-linking Technology:

Increases the density of radio frequency at the most optimal time by elevating the level of viscoelasticity.

Nexfill

Nexfill Technology

Change over time after injecting 1ml of hyaluronidase
75 IU into 0.5 ml of NEXFILL

Time Filler	0 hour	After 3 hours	After 6 hours	After 12 hours	After 24 hours	After 48 hours
NEXFILL						
A Company Filler						
H Company Filler						
M Company Filler						

- ✓ Nexfill retains its shape for 24 hours after hyaluronidase injection - this signifies higher viscoelasticity and a longer retention period compared to standard fillers.
- ✓ Nexfill is completely degraded by hyaluronidase in 48 hours.

Nexfill

Injection Sites



FINE

Forehead lines, Crow's Feet, Glabella lines, Neck wrinkles, Lower eyelid contouring, Tear Trough



DEEP

Nasolabial folds, Forehead, Cheeks, Nose, Lips, Chin Augmentation



VOLUME

Nasolabial folds, Forehead, Nose, Cheeks, Lips, Chin Augmentation, Body Contour

Nexfill

Advantages

Clinical Results

Efficacy and Safety of Nexfill with Lidocaine

Category	Requirement	Result
Appearance	Transparent and colorless viscous liquid with no foreign substances	
pH	6.8 ~ 7.5	6.83
BDDE Residue	Maximum 2.0ppm	0 ppm
Heavy Metal	Maximum 10.0ppm	Below 10 ppm
Injection Force	Maximum 30N	14.9
Osmotic Pressure	200 ~ 400 mmol/kg	318mmol/kg
Volume	Minimum 1.0mL	1.07~1.09mL
Aseptic/Toxic	Aseptic/Toxic	
Endotoxin	Below 12.5 EU/ML	Below 0.02 EU/mL

Tested by: Korea Testing & Research Institute

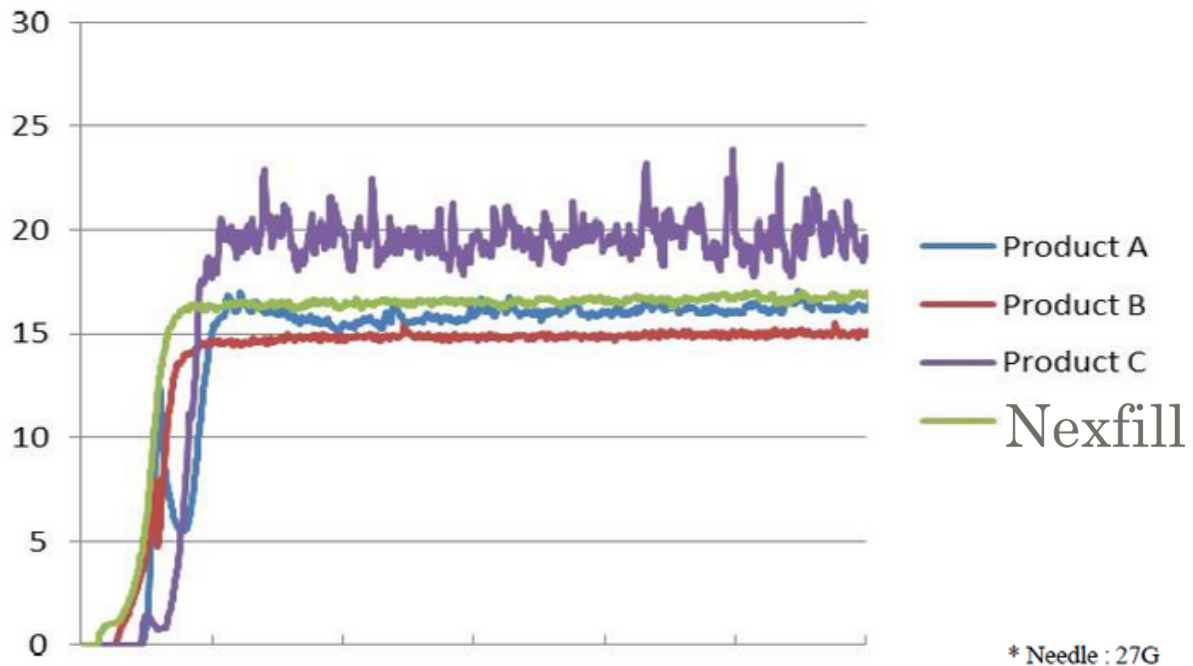


Nexfill

Advantages

Clinical Results

Extrusion Force Testing



<Ref. Manufacturer research institute>

- Flat line in extrusion force chart indicates even and smooth injection
- Even extrusion force allows for convenient and easy injection procedures
- Reduces discomfort in patients
- Allows for a more even distribution of HA

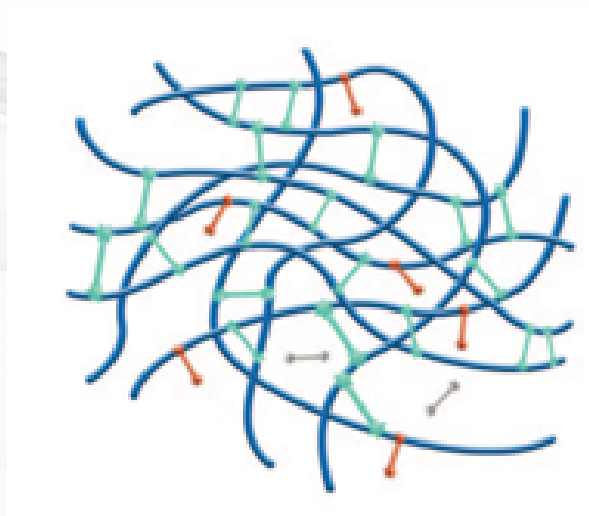


Nexfill

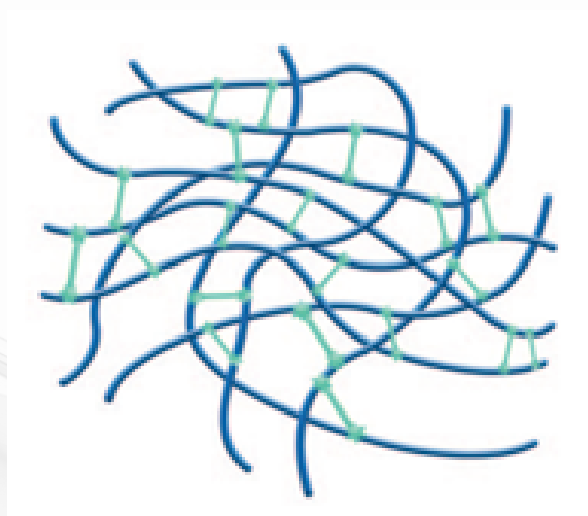
Safety

Purification Process

[Before Purification]



[After Purification]



Impurities of non-crosslinked BDDE and endotoxin residues were minimized through a strict purification.

- **BDDE residue: Below detection limit**
- **Endotoxin residue: Below 0.1Eu/ml**
- **Protein residue from HA raw material: Below 0.1%**

Nexfill

Safety

Raw Materials

SHISEIDO CO., LTD. Kagawa Factory
1180 Nagaya, Kagawa-shi, Shikoku, 760-0047, Japan
Phone: +81-837-24-1131, Fax: +81-837-24-2232

Reference Information

Please find the molecular weight result from the following product for your reference, is calculated by Laurent's formula.

Product name : Shiseido Sodium Hyaluronate SZE Grade -EP
Lot No. : G0785A
Isotonic viscosity : 3.4 mPa·s
Molecular weight : 1.57 MDa

Date: Apr. 4, 2019
QA Manager: [Signature]
Quality Assurance
Technical Department
SHISEIDO CO., LTD. Kagawa Factory
Phone: +81-837-24-1131
Fax: +81-837-24-2232

MOORE GATLAND, S.L.
Polymers Unit for
Cancer Therapy Research, USA - 50191 Rabi (Barcelona - SPAIN)
Tel: (34) 93 586 04 20
Fax: (34) 93 586 05 10

MOEHS
PRODUCTION QUALITY

CERTIFICATE OF ANALYSIS

Product: **SMOOTH HYALURONIC MONOMERIS PL. Rev. A/009 43** Date: 14/05/19
Batch No.: **879** Manufacture: 05/2019 Re-test Date: 05/2024
Customer: **SHISEIDO** Order: 3

TESTS	SPECIFICATIONS	RESULTS
CHARACTERISTICS		
Appearance	Crystalline powder	OK
Color	White or almost white	OK
SOLUBILITY		
In Water	Very soluble	OK
In Ethanol (96%)	Freely Soluble	OK
In Chloroform	Soluble	OK
In Ether	Insoluble	OK
IDENTIFICATION		
IR Spectrum	Conforms to Std.	OK
MP/°C	Conforms to Std.	OK
Chloride reaction	Positive	OK
SPECIFIC TESTS		
Water (H ₂ O)	5.5% to 7.5%	4.1
Aspect of solution 2	Clear (Max. Ref. 1 opal)	OK
Color of solution 2	Colorless (Max. Ref. 8-9)	OK
pH (0.5% Sol.)	4.0 to 5.5	4.1

We hereby certify that the above information is authentic and accurate. We manufacture, including packaging and quality control, in the above mention compliance with the GMP requirements. The batch processing, packaging and unit reviewed and found to be in compliance with ISO 9001, ISO 9001 Part II and ISO 9001 Part III

Released by: [Signature] (QA)
Not signed by: [Signature]
Signed by: Quality Control

File: [Signature]
QC Manager

SIGMA-ALDRICH
3660 Spruce Street, Saint Louis, MO 63103, USA
Website: www.sigmaaldrich.com
Email USA: sigmasteam@sigmaaldrich.com
Outside USA: sigmasteam@sigmaaldrich.com

Certificate of Analysis

Product Name: **3,4-Dihydroxybutyryl chloride - 98%**

Product Number: **228892**
Batch Number: **W0001402**
Name: **ALDRICH**
CAS Number: **3457-70-8**
MOL. Weight: **90.05**
Formula: **C₄H₇O₄**
Purity (GC): **99.99%**
Quality Release Date: **30 MAR 2017**

Test	Specification	Result
Appearance (Color)	Colorless	Colorless
Appearance (Form)	Liquid	Liquid
Infrared Spectrum	Conforms to Structure	Conforms
Purity (GC)	≥ 99.9 %	99.9 %

Michael Smith, Manager
Quality Control
St. Louis, MO, US

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date the product conformed to the information contained in this publication. The current specification sheet may be available at Sigmaaldrich.com. For further questions, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.

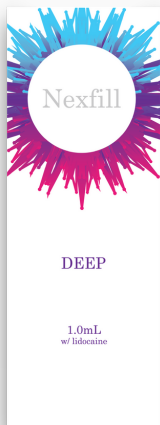
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- Ensures the highest quality by following strict standards of the quality control
- EDQM listed materials
 - HA (150kDA heavy-molecular raw materials)
 - Lidocaine
 - BDDE

Nexfill

Product Details

Overview



Product name	Nexfill FINE		Nexfill DEEP	Nexfill VOLUME
Image				
Ingredient	Hyaluronic acid 24mg/ml Lidocaine 0.3%			
Package unit	1.0 ml			
Purpose	Fine wrinkle correction		Deep wrinkle correction Volumizing	Volumizing Contouring
Indication	Periorbital line, Lip Contour		Glabella lines, Nasolabial folds Marionette lines Nose/Forehead contour	Nasolabial folds / Chin / Body Contour
Injection depth	Mid dermis		Mid, Deep dermis	Subcutaneous
Duration	3~6 months		6 ~ 12 months	Over 12 months

Nexfill



NEXUS PHARMA

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Nexfill