

# TOXPRIA

Clostridium Botulinum Toxin Type A complex





# What is TOXPiA?

Toxpia is a Clostridium Botulinum Toxin Type A, which is manufactured and distributed by HJ Corporations.

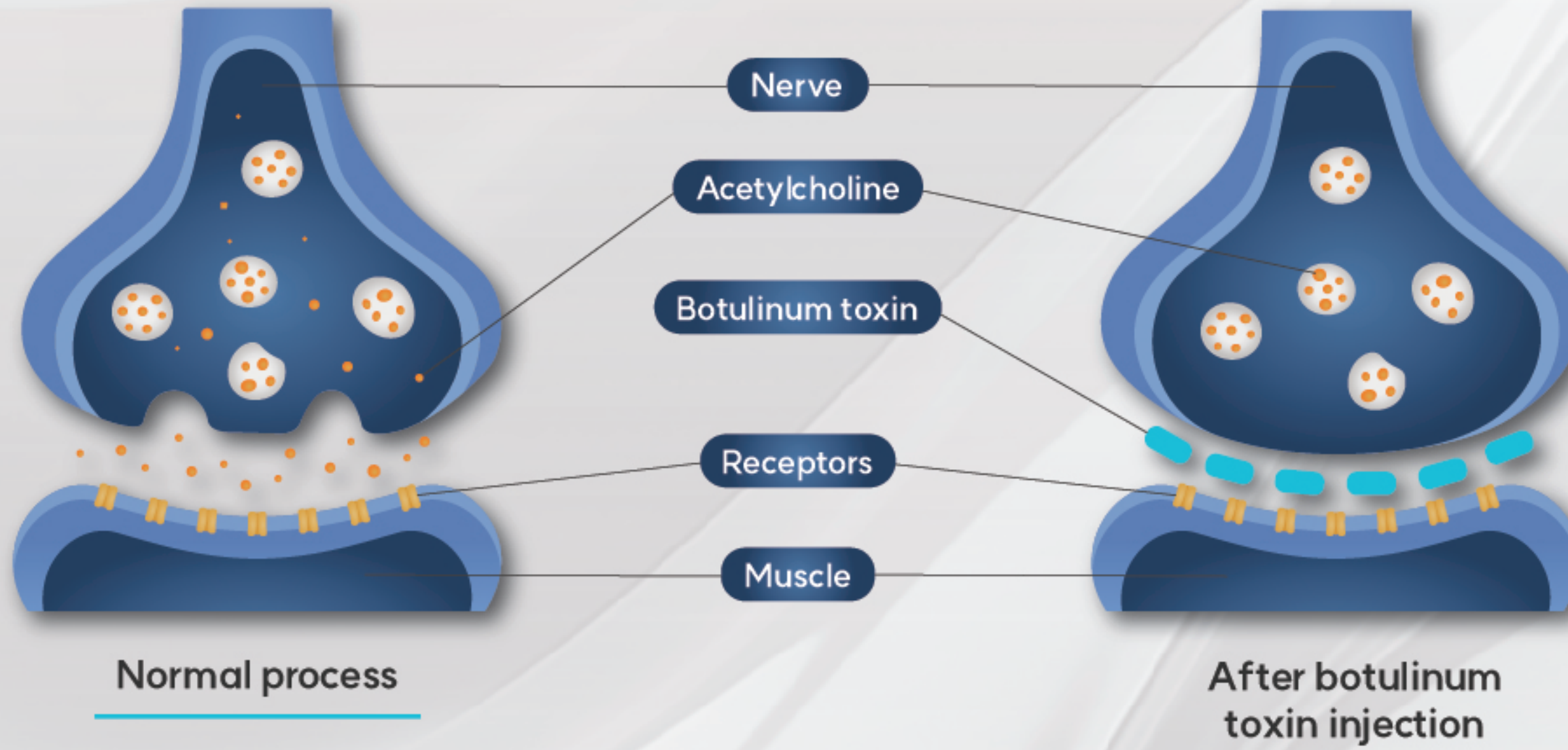
Product Name	TOXPiA 100units	TOXPiA 200units
Classification	Medicine	
Active Ingredient	Clostridium botulinum toxin type A	
Contents (1 vial)	Clostridium botulinum toxin type A — 100units Human Serum Albumin — 0.5 mg Sodium chloride — 0.9 mg	Clostridium botulinum toxin type A — 200units Human Serum Albumin — 1.0 mg Sodium chloride — 1.8 mg
Appearance	A white or light yellow lyophilisate contained in a colorless and transparent vial and is a transparent solution when dissolved in saline.	
Effect	Temporary improvement of moderate to severe wrinkle lines (such as glabella lines) for adult patients.	
Mechanism	A temporary reduction in muscle activity for medical and aesthetic use.	



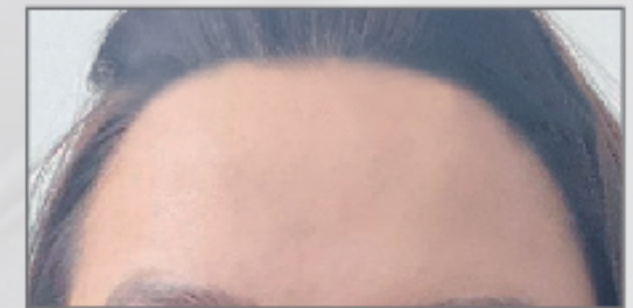
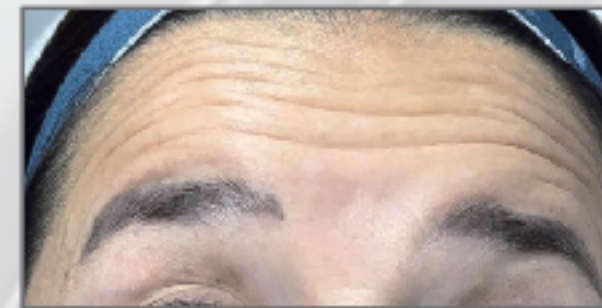
## How Does TOXPIA Work?

The botulinum toxin shot blocks the release of acetylcholine\*. This way, the muscles are relaxed, reducing unwanted wrinkles.

\*Acetylcholine is the chemical signal which causes muscles to contract.



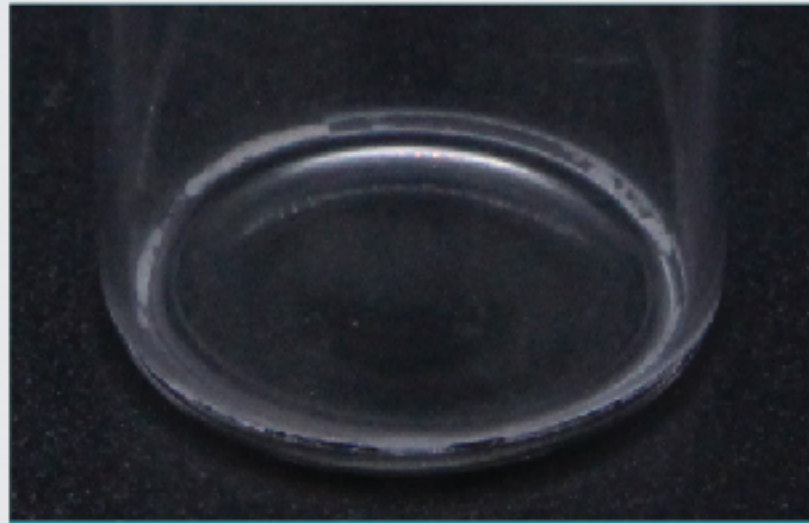
## Before & After



# Why TOXPIA?

## 1 Vacuum-Drying Method

Toxpia is manufactured through the vacuum-drying method, which is the latest technology that is used for manufacturing botulinum toxin.



Toxpia-Vacuum-Drying Method



Freeze-Drying Method

The toxin in the vial is produced using vacuum-drying, which eliminates any powder residue and improves the purity of the product.

This process minimizes protein denaturation, reducing side effects and enhancing Toxpia's effectiveness. It also reduces the risk of foaming during dilution, enabling a more efficient and effective procedure.

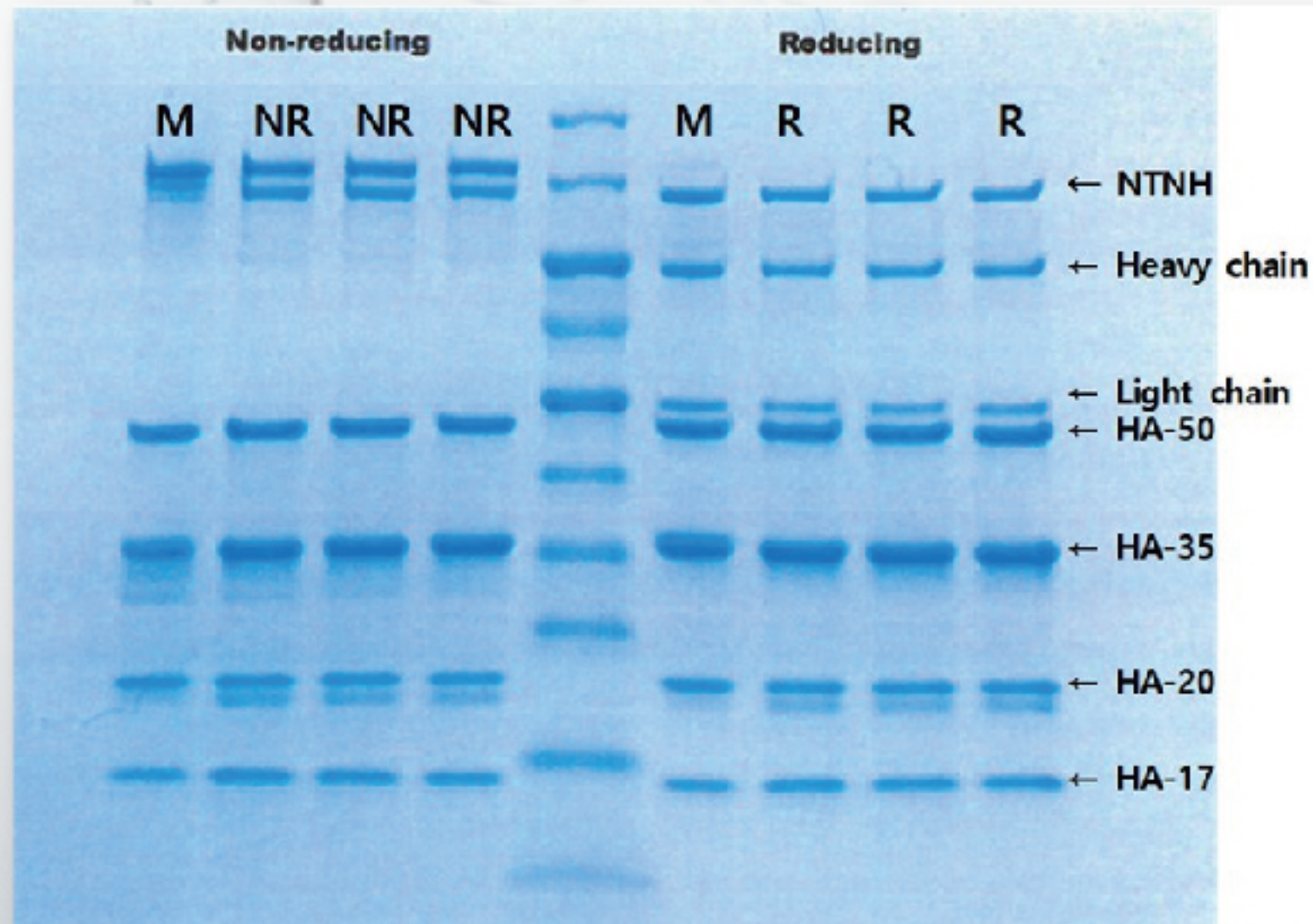
## 2 Freeze-Drying vs Vacuum-Drying

Features	TOXPIA: Vacuum-Drying	Freeze-Drying
Residue Powder	Invisible	Visible
Purity	High	Medium
Risk of Protein Denaturation	Minimized	Higher
Risk of Foam during Dilution	Reduced	Higher
Production Efficiency	High	Low
Potency Loss	Low	High

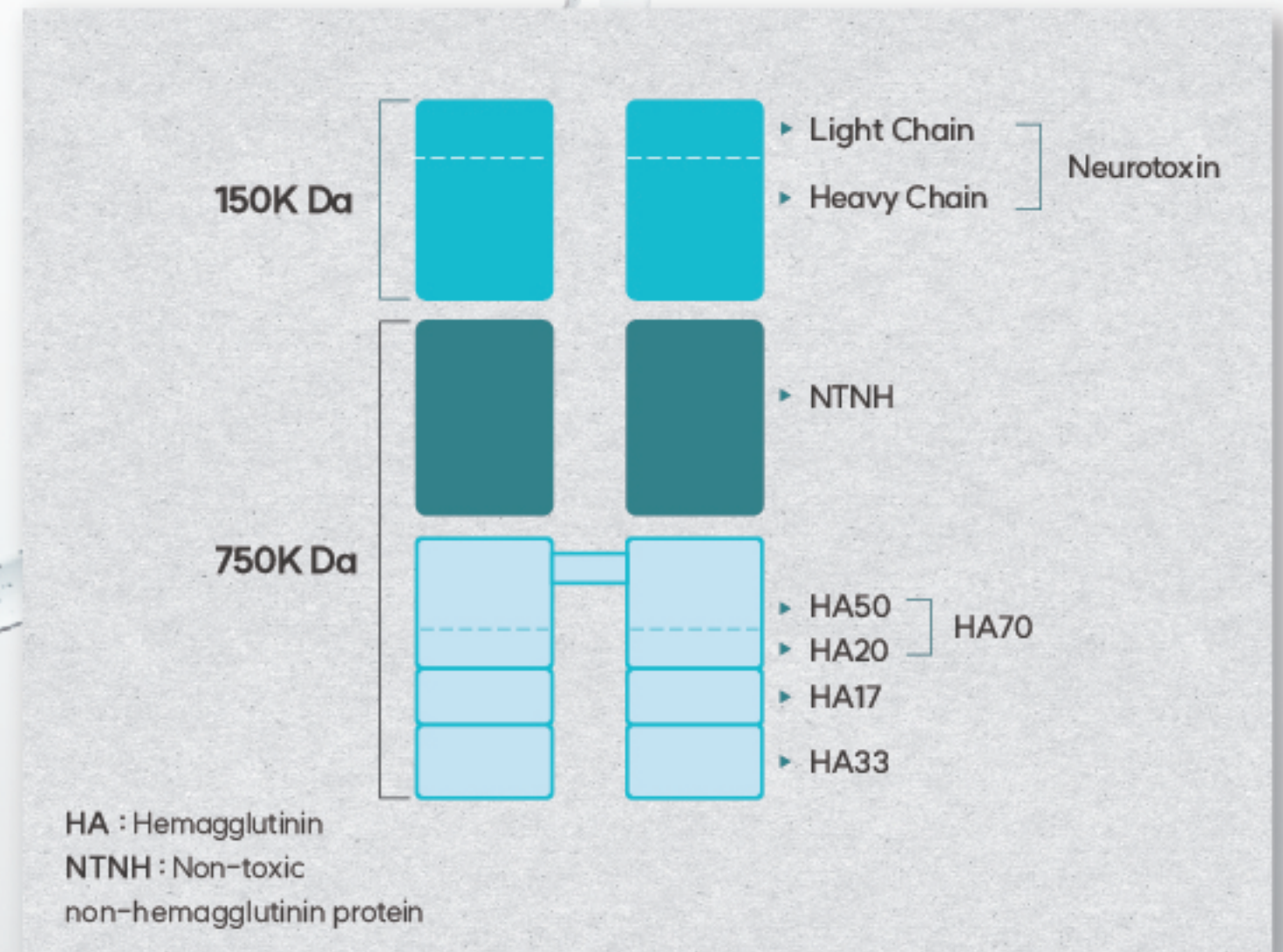
# The Molecular Structure of TOXPiA

The SDS-PAGE analysis confirmed the molecular weight of the protein subunits in the botulinum toxin type A complex, with the results matching the expected molecular weight for Toxpia. Toxpia guarantees safety and reliability through rigorous quality control.

## 1 SDS - PAGE Results for TOXPiA



## 2 900kDa Botulinum Toxin Type A Complex (19S)



### 3 Amount of Neurotoxin in Various Products

Toxpia is committed to the highest standards of safety, which is why its formulation features a lower neurotoxin concentration compared to other products under identical conditions. By reducing the amount of neurotoxin in each vial, the potential for negative reactions is minimized while still ensuring reliable and effective results.

Product	Amount of Neurotoxin (ng/vial)
Toxpia	3.59
Product A	4.38
Product B	3.90
Product C	4.52

Ref.

Frevert J. Content of botulinum neurotoxin in Botox<sup>®</sup>/Vistabel<sup>®</sup>, Dysport<sup>®</sup>/Azzalure<sup>®</sup>, and Xeomin<sup>®</sup>/Bocouture<sup>®</sup>. *Drugs R D*. 2010;10(2):67-73

Frevert J, Ahn KY, Park MY, Sunga O.

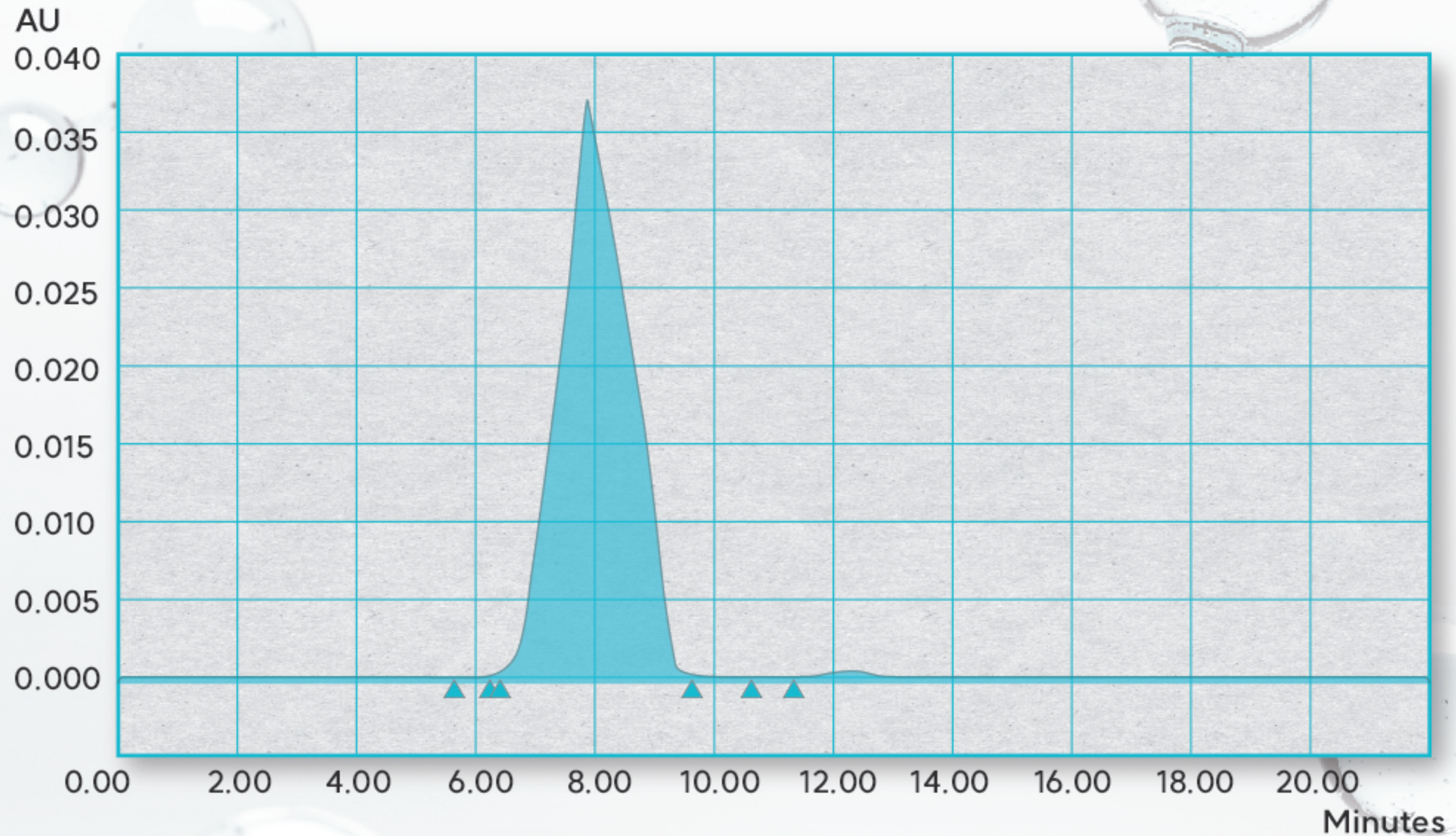
Comparison of botulinum neurotoxin type A formulations in Asia.

*Clin Cosmet Investig Dermatol*.

2018 Jul 5;11:327-331.

#### 4 Purity Test of TOXPPIA (SEC-HPLC)

Through the application of an advanced purification process, Toxpia demonstrates an average purity of 99% according to SEC-HPLC analysis, exceeding the regulatory requirement of 95% and reducing the risk of side effects.

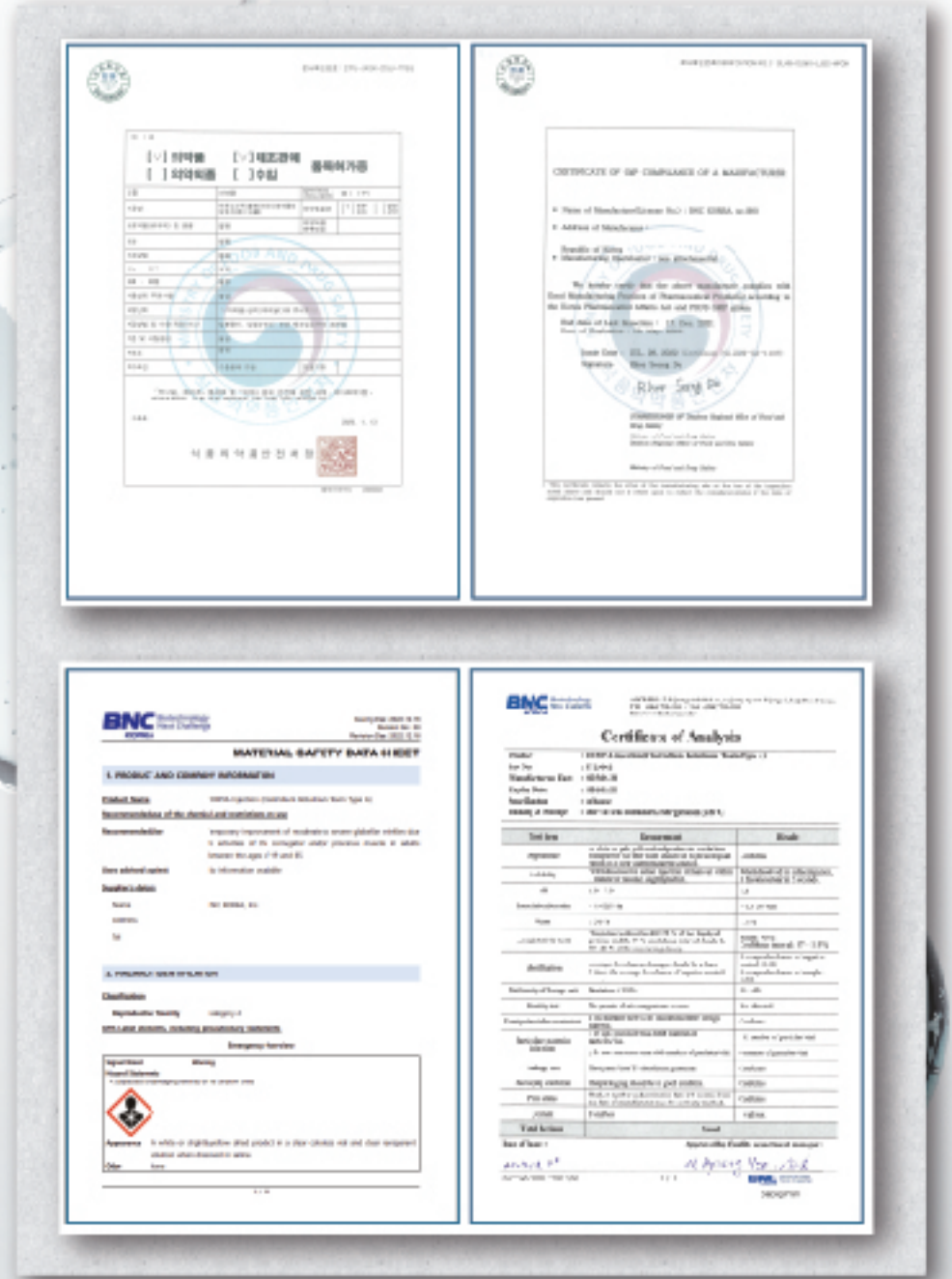


# Our Manufacturing Process



# Our Manufacturing Plant

# /Our Certificates/





 HJ corporations

Tel : +82 2-2641-0209 Fax : +82 2-2641-0210

Email : [info@hjcorporations.kr](mailto:info@hjcorporations.kr) Website : [www.hjcorporations.kr](http://www.hjcorporations.kr)

1107-1108, 25 Yeonmujang 5ga-gil, Seongdong-gu, Seoul, Republic of Korea

