



S-TOX is a *Clostridium Botulinum* toxin type A, which temporarily improves glabella wrinkles. S-TOX is a product made in Korea.

• Stability



• Safety



• Efficacy



Product Specifications

Classification	Medicine
Active Ingredient	<i>Clostridium Botulinum</i> toxin type A
Contents (1 vial)	<i>Clostridium Botulinum</i> toxin type A — 100 units Human Serum Albumin — 0.5 mg Sodium Chloride — 0.9 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) in adult patients
Mechanism	A temporary reduction in muscle activity for medical and aesthetic use

Stability Test

S-TOX has shown excellent product stability through testing, assessing whether the quality of the product is maintained through changes over time.

Specification should be 80 % ~ 125 % of the labelled potency per vial.

Initial	101.9 %	98.3 %	100.2 %
1 month	98.4 %	98.6 %	100.6 %
3 month	105.0 %	98.4 %	101.7 %
6 month	99.3 %	98.0 %	96.2 %
9 month	97.5 %	100.2 %	98.1 %
12 month	95.6 %	95.7 %	95.1 %



Pre - Clinical Study

Both the safety & efficacy of S-TOX have been successfully proven in a comparison study with company A's product.

Toxicity Test

Study Type	Test System	Route	Doses	
Single Dose	Rat	IM	0, 6, 30, 150	U/kg
	Monkey	IM	0, 8, 16, 32	U/kg
Repeated Dose	Rat	IM	0, 1.5, 3, 6	U/kg
	Monkey	IM	0, 2, 4, 16	U/kg
Embryo - Fetal Development	Rat	IM	0, 1, 3, 9	U/kg
	Rabbit	IM	0, 0.1, 0.2, 0.4	U/kg

Safety Pharmacology

Study Type	Test System	Route	Doses	
Cardiovascular System	CHO hERG cells	in vitro	0, 0.125, 0.25, 0.5, 1	U/mL
Respiratory System	Rat	IM	0, 1.5, 3, 6	U/kg
Central Nervous System	Mouse	IM	0, 1.5, 3, 6	U/kg

Efficacy comparison

Study Type	Test System	Route	Doses	Control
Efficacy test	Mouse	IM	4, 12, 40 U/kg	company A's product



Clostridium Botulinum Toxin Type A, Stability, Safety, Efficacy

Made in Korea

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