e.p.t.g.

e.p.t.q. is safe with lower MoD than the other fillers. The low MoD value is the standard for a safe filler.



MoD

(Degree of Modification)

Total amount of BDDE in a hyaluronic acid filler



Sample	e.p.t.q. S 100	e.p.t.q. S 300	e.p.t.q. S 500	Product A	Product B	Product C
MoD (%)	1.18	1.53	1.89	7.68	11.23	8.07

UE PESS

e.p.t.q. Through the 9 Essential process, e.p.t.q. has no calcification by eliminating the by-product combination reaction.

X Calcification ?

Calcification is a major cause of nodules formation caused by combining carboxyl groups in HA and byproducts of the filler manufacturing process,

TRIPLES	www.nc.arg.comming Journal of Materials Chemis
Amino acid containing transformation into ap	amorphous calcium phosphates and the rapid atite
Nobuski Bawa," Tatsoo Kimura,	* Yasasori Ound* and Tsancji Sans*e
Reserved 19th August 2008, Assepted % First published as an Advance Assiste on DOE: 18.16096885154g	
, supertic sold (Aup), and 1-lyone (Ly) historidealers such as collegen. Compose possibilities according as the kind of the 139 products were obtained using dicar acids, superticely. The autism acid some Duster than n-recultions phosphore (n.T. addition of the Ca-lefs composites to a	obtained tracered alls in the greenings of a splitturnic and ellists, with cardway) and amine groups that are proposed in- tions (CAP model ratio) of the integrape fractivenests was required reduction and, Cap. (CaP = 1.5) and P-(ii.b.) CaP = throy)th cacks (CRL and Asp) and distinances;pe (Lys) amine amine publishes phosphotons were transferrated uses spatte minth CP) when immersed in aimulated body fluid (GBP). The ability phosphoton contains promotion that transferrantine into neturining unorphoton calcium; phosphoton are legisly promising

Ref. Nobuaki	Ikawa	et	al,	2009
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Rank	reaction	ratio	Solution
1	Inflammation	23.7 %	Low MoD
2	Edema	11.2 %	Low MoD
3	Necrosis	9.1 %	
4	Bruise	8.6 %	
5	Nodule	8.2 %	Calcification prevention
6	Others	39.2 %	
		100.0 %	

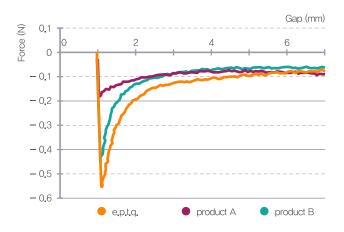
Ref. Types of side effect by the dermal filler, KFDA, 2014

5	Result of Calcification reaction				
Reaction time	e.p.t.q.	product A	product B	product C	
Day 4					

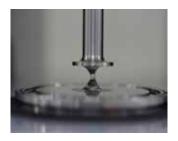
Ref. Calcification reaction experiment in HA filler, 2019 Jetema Co., Polymer Lab



c.p.t.q. has less migration due to high cohesiveness. It is good for shaping and long-lasting effect.







* Experimental conditions

Instrument: Rheometer, Kinexus, Malvern, U.K.)

Corn: 20 mm, stainless steel plate

Mode: pull away / Speed: 100 μm/s / Inversed gap: 1 mm / Temp.: 25 °C

※ e.p.t.q. is −0.3666 and −0.1104 superior to A and B as a result of Tack test

Sample	e.p.t.q.	Product A	Product B
Cohesiveness (N)	-0.5583	-0.1917	-0.4479

Ref. Comparison of properties of Dermal HA filler, Department of Dermatology, College of Medicine, Chung-ang University, 2017

THE 9 ESS

e.p.t.q. has proven to be equal to or better than the control group in Researcher evaluation and Patient satisfaction evaluation.

* In order to demonstrate the efficacy and safety of e.p.t.q. S500 and Product R, we conducted a single—institution, randomized, double—blind and matched—pair phase 3 clinical trial for 63 subjects.

Researcher evaluation(WSRS)

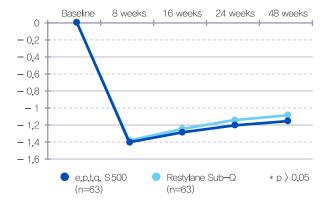


Figure 1. Changes in WSRS mean value at 8, 16, 24 and 48 weeks compared to baseline assessed by blinded investigators

Patient satisfaction(GAIS)

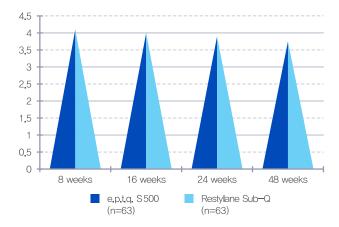


Figure 2. GAIS mean values at 8, 16, 24 and 48 weeks evaluated by subjects

Ref. Department of Dermatology, College of Medicine, Chung-ang University, 2016