



Platinum nano-maker **NANO-Q**

NANO-Q is a very new concept device that can make platinum nano colloid with liquid plasma technology, platinum(99.99%) which is built into the cartridge of NANO-Q is changed into nano sized particles after operation of the machine.

After transforming into nano-sized platinum, it can be applied to various applications by mixing with the cosmetics and wide range of products.



ONLY USE
99.99%
Platinum Wire

Platinum nano-maker **NANO-Q**



3F, J B/D,35-25 Jamwon-Dong, Seocho-gu, Seoul, 137-905, KOREA
T.82-2-3462-5400 F.82-2-3462-5105
e-mail.danilsmc@danilsmc.com

An entirely new concept of
Platinum Therapy device

Platinum nano-maker **NANO-Q**



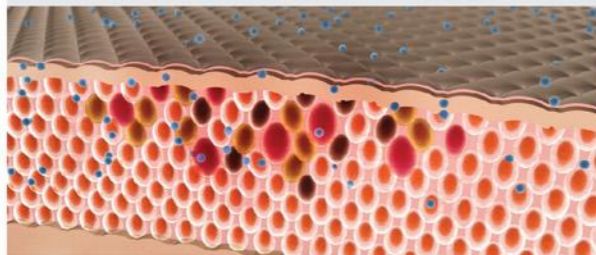
Efficacy of Platinum on skin

1 Anti-aging and brightening

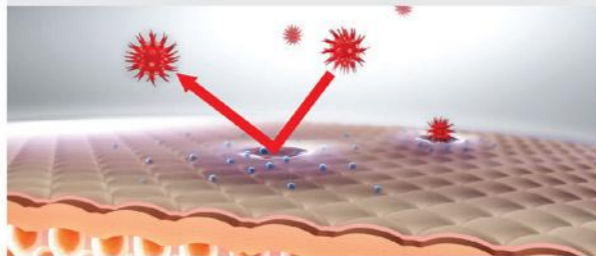
2 Anti-bacterial effect

- Acne Treatment : (Acne bacteria)
- Treatment of hair loss : (Seboreic scalp bacteria sterilization)

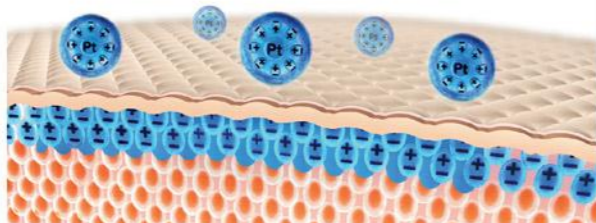
3 Moisturizing: Atopic treatment



Its anti-oxidation properties remove the activated oxygen.



It keeps the skin clean by preventing bacteria from increasing.



It keeps the skin potential balance, maintains humidity and skin moist.

Applications

Cosmetics

- **Serum** : You can expect a brightening and anti-aging effect with platinum serum.
- **Oil & Ampoule** : You can create special massage solution using Oil and Ampoule mixing with platinum.

Shampoo and hair-functional ampoule

- **Shampoo** : When you mix shampoo with platinum and wash your hair at home, hair loss can be prevented with anti-bacterial (seboreic scalp bacteria sterilization) and anti-aging effect.

Toothpaste

- Antibacterial characteristic makes teeth healthy, at the same time you can expect brightening effect on teeth.

Atopic product

- Atopic product can be applied with platinum for the atopic skin.

What is Platinum

Platinum is a very precious and most stable element on the earth and therefore it has been using for various purpose including cosmetic and beauty products.

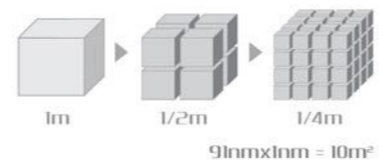
It is not affected by chemical response such as acidity or alkalinity due to it's stable Characteristics.

What is Liquid plasma technology

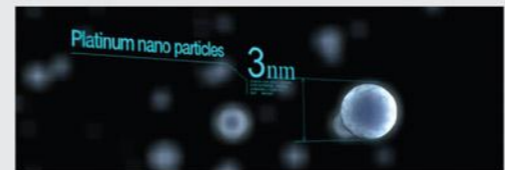
When the high density current passes through metal with its resistance characteristics maximized, plasma occurs from the resistance heat within a very short moment when the nano-colloid is generated with the produced nano particle dispersed.

- 1 Mounting cartridge
- 2 Current passes through platinum
- 3 Occurrence of liquid plasma
- 4 Generation of platinum nano-particles

What is NANO



The smaller is more excellent.
The average platinum nano-particles made by NANO-Q is 3 nm.



If the particle size is small, it has a wide contact area with the skin and it is effective even if only a small quantity is used. In other words, when you use platinum nanoparticles it increases contact area accordingly effectiveness can be higher.

Platinum nano-maker NANO-Q Test List

1 Purity test (High Purity 99.99%)

TEST REPORT (Additional Copy)

TEST ITEM	UNIT	SEMI	RESULT	TEST METHOD
Pt	wt%	Lot Checked	99.9999	ICP-AES (ICP-MS)
As	wt%	2	AS 0.0000	ICP-AES (ICP-MS)
Pb	wt%	2	Pb 0.0000	ICP-AES (ICP-MS)
Hg	wt%	2	Hg 0.0000	ICP-AES (ICP-MS)
Ag	wt%	2	Ag 0.0000	ICP-AES (ICP-MS)
Cd	wt%	2	Cd 0.0000	ICP-AES (ICP-MS)
Fe	wt%	2	Fe 0.0000	ICP-AES (ICP-MS)
Zn	wt%	2	Zn 0.0000	ICP-AES (ICP-MS)
Cr	wt%	2	Cr 0.0000	ICP-AES (ICP-MS)

NOTE: 1. The test result of this test report is based on the sample and results were presented by the client and do not guarantee the quality of the product.
2. This test report can be used only within the process of the different usage and this shall not be used for public relations, advertisement or to establish the KTR's written approval.

Korea Testing & Research Institute
President *Baewon Lee*

2 Anti-oxidant test (DPPH)

DPPH radical scavenging activity

Sample Concentration (µg/ml)	Activity (%)
0.01	~40
0.1	~60
1.0	~80

2.1. Platinum nano solution의 항산화능을 측정하기 위한 실험 결과

시료	Platinum nano solution	DMSO	100%Vc
IC50(µg/ml)	0.85	9.38	7.85

3 Safty test : Skin irritation (FDA)

Ethox
Simply Your World

Sponsor: Jeong Yong Hoon, Seobomcosmetics Co., Ltd. No. 13, Veritas Building, Changwon College, Changwon, Gyeongnam, Republic of Korea (641-721)

STB Test No.: T08-0620
STB Study No.: OLP-2008-052

Primary Skin Irritation Test - ISO Method of Platinum Nano Solution (1 mg/ml, n = 10) (2008)

Written & Approved By: *Buddha Lee*
Buddha Lee, Director of Study Director

Study Completion Date: 2008. 2. 27

4 Liquid Plasma Technology(Patent)

특허증
CERTIFICATE OF PATENT

특허번호: 0516328호
발명자: 나노이노베이션스 (주)
출원번호: 2004-019898호
출원일자: 2004년 09월 21일

발명명: 액체 플라즈마 기술
발명자: 나노이노베이션스 (주)

특허권자: 나노이노베이션스 (주)

특허발명은 「특허법」에 의하여 특허등록원부에 등록되었음을 증명합니다.

2005년 09월 21일