

About me



Nutthaphol Khupsathianwong

M.Sc. NanoEngineering (UCSD)
B.Eng. NanoEngineering (CU)

Founder, CEO COO















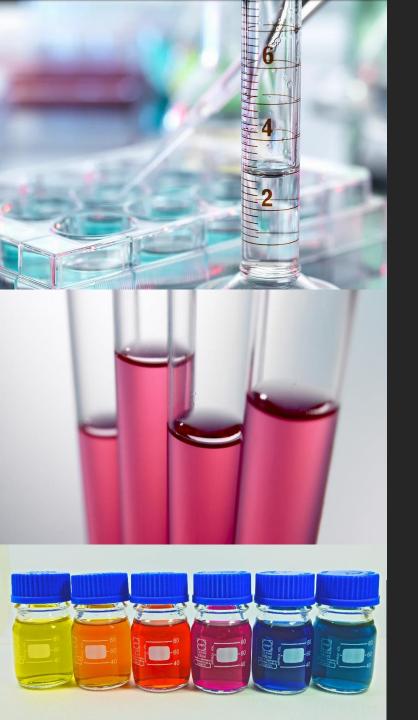










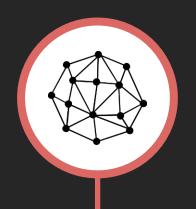


About PRIME Edition

We are THAI nanotechnology-based company specializing in nanomaterial synthesis and applications.

We offer nano innovative products and services to suit your needs.







developer



Nanomaterial supplier

Nano-product manufacturer





SILVER NANOPARTICLES

Applications: Antibacteria, Electronics, Sensors, Plasmonics, etc.

Read More >

GOLD NANOPARTICLES

Applications: Imaging, SERS Substrate, Plasmonics, Biomedicine

Read More >

METAL OXIDE NANOPARTICLES

Applications:
Catalyst, Energy,
Additives, Medicine

Read More >



OTHER NANOPARTICLES

Nanomaterial you searched for is not here?
CONTACT US for more info.

Contact Us >

Visit our website at www.prime-nano.com



DRIVING DE LE CHINOLOGIA DE LE CHINOLOGI

Academic Clients:





Foundation toward Innovation

















PRIME BELL STREET

Industrial Clients:











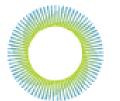












ซินโครตรอน ไทยแลนด์ เซ็นทรัล แล็บ



Product developer

DA Landogy

Research & Development



Prototype Making







Sustomization

'rototype Testing

3rd party Certification



Product developer



24K Gold NanoCrystals

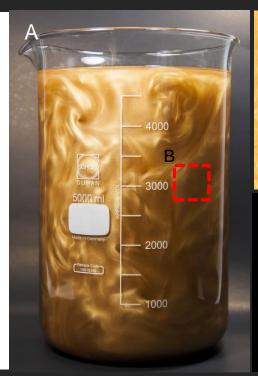


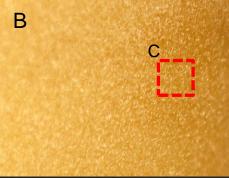
CHOND

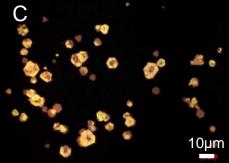
ICEBERG REFRESHING MIST

ICEBERG REPRESHING MIST

FINEST GOLD MINERAL ESSENCE ที่สุดของเอสเซนส์น้ำแร่ทองคำ









Nano-Product manufacturer

DRING BY Lechnology





PRIME Supering Technology



Mostly-used nanomaterials

>500

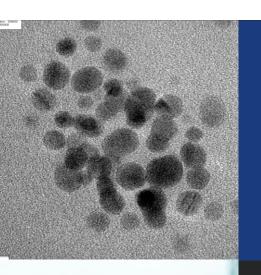
Products worldwide

[Antimicrobial & Conductive Applications]

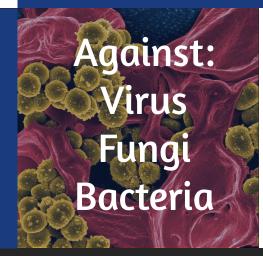
\$2Billion Warket

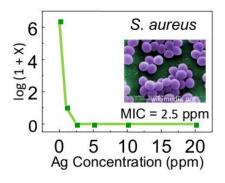
NanoSilver Silver < 100nm

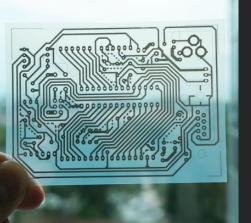
Antimicrobial Agent











Conductivity



Antibacterial Activities

NANO SILVER
(Ag⁰)



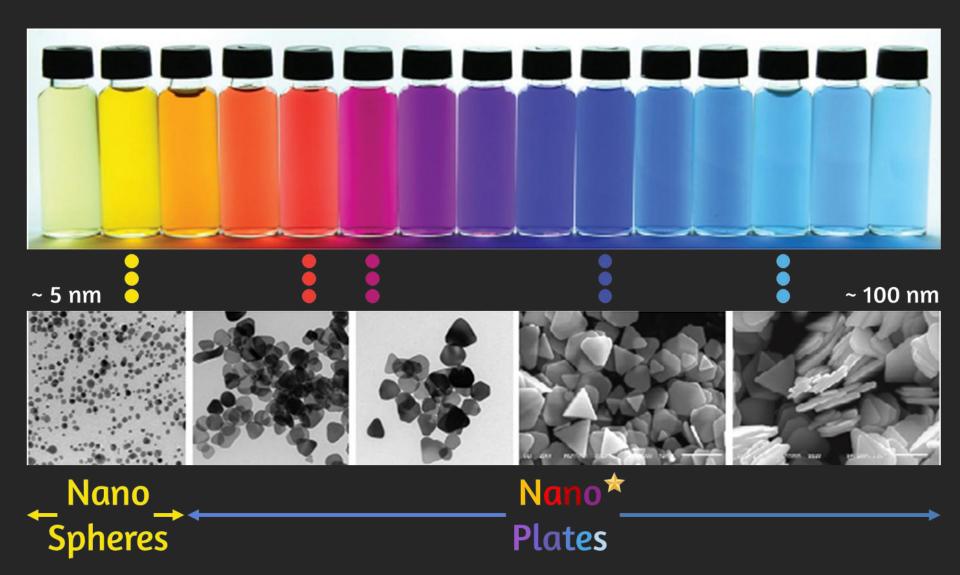
Ag⁺ ROS•

VS Other antibac agents











Silver Nanoparticles (ag-102) 10,000ppm

Appearance: Yellow brown colloid

Particle Shape: Nanospheres

Average Particle Size: 15 ± 10 nm

Concentration: 10,000 part per million (ppm; equivalent to mg/L)

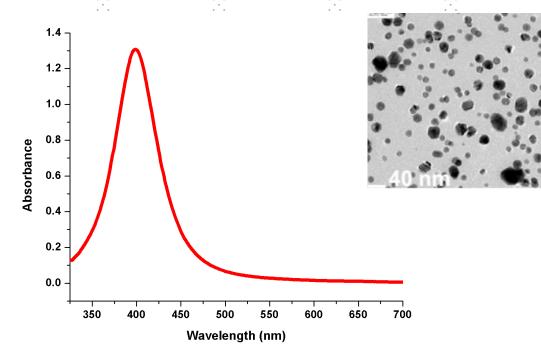
Solvent: Deionized water

Stabilizing Agent: Soluble starch

λmax (UV-VIS Absorbance): 400 ± 10 nm

Stability: 12 months

Recommended dosage: 0.1-2%







Silver Nanoparticles (ag-122) 10,000ppm

Appearance: Dark yellow colloid **Particle Shape:** Nanospheres **Average Particle Size:** 6 ± 4 nm

Concentration: 10,000 part per million (ppm; equivalent to mg/L)

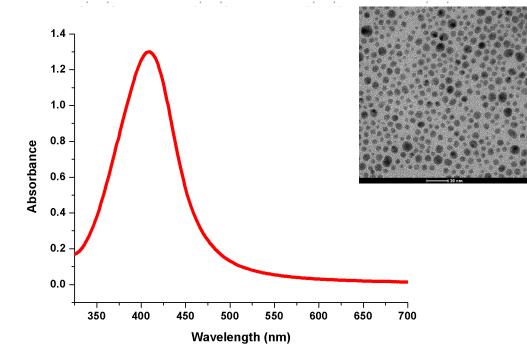
Solvent: Deionized water

Stabilizing Agent: Tannic acid

λmax (UV-VIS Absorbance): 410 ± 10 nm

Stability: 12 months

Recommended dosage: 0.1-2%







Silver Nanoplates (ag-107) 10,000ppm

Appearance: Dark blue colloid **Particle Shape:** Nanoplates

Average Particle Size: 80-120 nm lateral edges with 5-20 nm thickness

Concentration: 1,000 part per million (ppm; equivalent to mg/L)

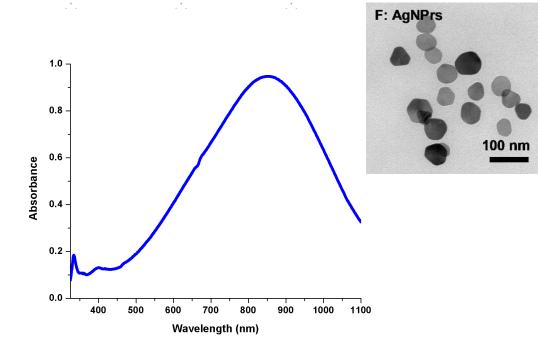
Solvent: Deionized water

Stabilizing Agent: Soluble starch

λmax (UV-VIS Absorbance): 780 ± 20 nm

Stability: 12 months

Recommended dosage: 1-10%







Silver Nanoplates (ag-107) 10,000ppm

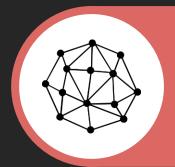




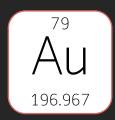








Nanomaterial supplier



Gold Nanoparticles



Gold Nanoparticles

(8-20nm; 1,000ppm)



บริษัท ไพรม์ นาโนเทคโนโลยี จำกัด

50 ช.กาญจนาภิเษก 008 แยก 10 แขวงบางแค เขตบางแค กทม. 10160 โทร 090-973-7607 อีเมล Sale.PrimeNanogomail.com

Certificate of Analysis

Name: au-101 (Gold nanoparticles)

Amount/Concentration: 1,000 part per million (ppm; equivalent to mg/L)

pearance: Ruby-red colloid

Average Particle Size: 8–20 nm

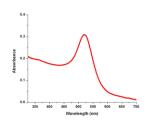
Method of Synthesis: Chemical reduction

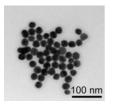
Date of Production (DD.MM.YY): 24.01.2019

Used by (DD.MM.YY): 24.07.2019 Lot. No.: A240119

Characterization: UV-Vis Spectroscopy

Wavelength of max absorbance: 520 nm (Acceptable range = 520±10 nm)

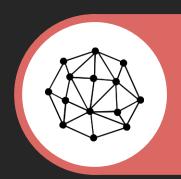




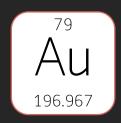
Date of Issue (DD.MM.YY): 25.01.2019

(Nutthaphol Khupsathianwong)

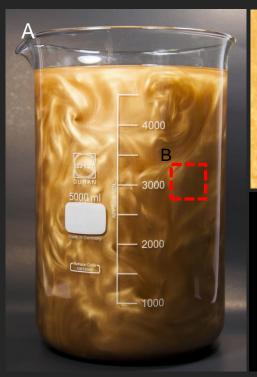
R&D, PRIME NANOTECHNOLOGY CO.,LTD.

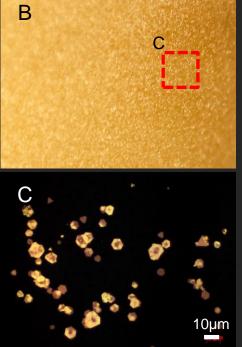


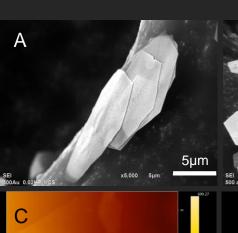
Nanomaterial supplier



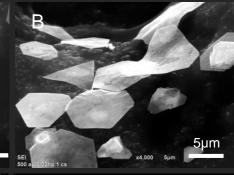
24K Gold NanoCrystals

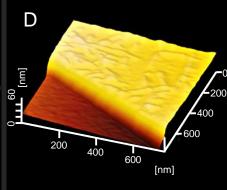








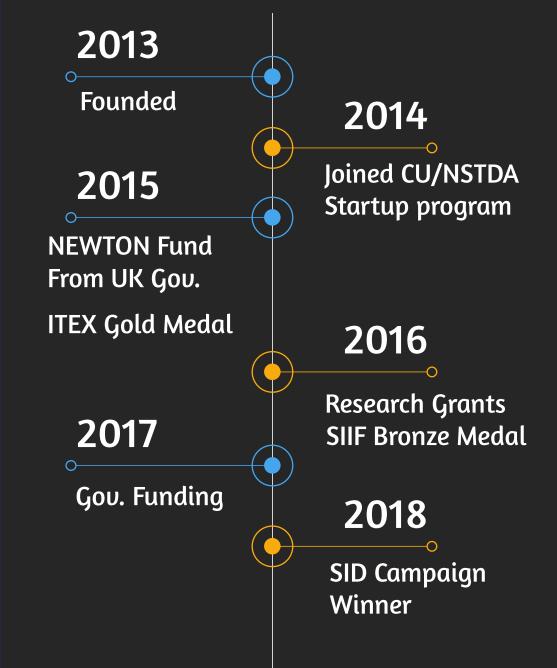


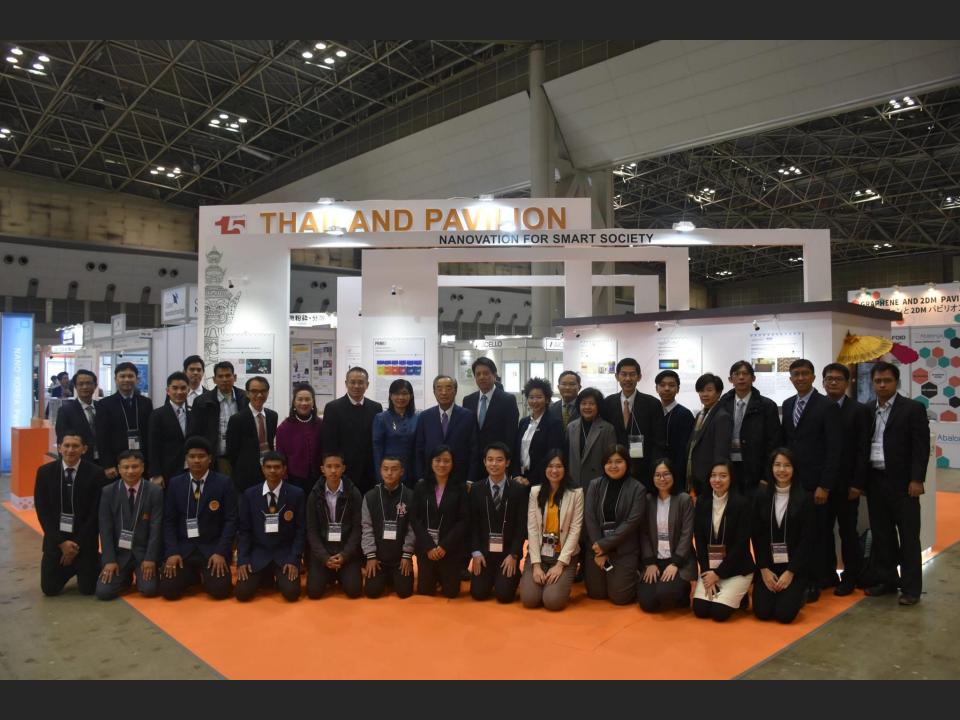


DRIVE STATES



- FOUND IN 2013
- SPIN OFF FROM CU SCIENCE
- MAIN PRODUCT = NANO SILVER
- 15+ PRODUCTS DEVELOPED
- INTERNATIONAL AWARDS
- 9 GRANTS (NRCT, NSTDA, TRF)
- NEWTON FUND (UK)





Thank You

Nutthaphol Khupsathianwong

Nutthaphol.k@gmail.com +66 (0) 84-118-4848

PRIME Supplied Significant Sig