

WOOJIN SERICITE



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OAH
international



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INTRODUCTION

Established in 1998, Woojin Sericite has produced the largest types of jewels based on the high-tech technology for raw materials of cosmetics.

Woojin Sericite will continue to take efforts for becoming a company that approaches to the raw materials of cosmeceuticals through stable supply and continuous research and development.



We are able to ...

- ✓ Produce the world-largest types of jewels
- ✓ Provide jewel mixture powder
- ✓ Provide jewel extract



- | | |
|------------------|---|
| 1998. 12. | Established |
| 1999. 04. | Developed a sericite mine |
| 2000. 01. | Delivered raw sericite to a cosmetics company |
| 2001. 10. | Delivered raw materials of jade to a cosmetics company |
| 2002. 02. | Registered nephrite powder to the CTFA |
| 2004. 07. | Selected as a technical guidance business by the Small and Medium Business Administration |
| 2005. 02. | Initiated development of raw materials of jewels |
| 2007. 10. | Completed development of 7 kinds of raw materials of jewels |
| 2008. 02. | Exported amethyst powder to foreign countries |
| 2010. 02. | Exported to European countries |
| 2011. 10. | Exported raw materials of specialty hair fibers |
| 2015. 11. | Exported to Asian countries |
| 2016. 05. | Completed development of 12 kinds of birthstone |
| 2017. 05. | Commercialized eco-friendly technology for removal of heavy metals |



PRODUCTS LIST



BIRTHSTONES

| Month | Birthstone | | Product | Properties |
|----------|------------|---|---|--|
| January | Garnet |  | Garnet Powder Garnet Extract | Truth, Honor, Success |
| February | Amethyst |  | Amethyst Powder Amethyst Extract | Inner-Peace, Sincerity |
| March | Aquamarine |  | Aquamarine Powder Aquamarine Extract | Hope, Eternal youth & happiness |
| April | Diamond |  | Diamond Powder Diamond Extract | Illumination, Nobleness |
| May | Nephrite |  | Nephrite Powder Nephrite Extract | Prosperity, Noble Wellbeing, Wealth |
| June | Pearl |  | Pearl Powder Pearl Extract | Pure, Wealth |
| June | Moonstone |  | Moonstone Powder Moonstone Extract | Good luck Self-knowledge |



PRODUCTS LIST









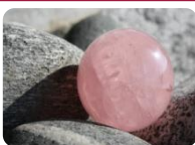
BIRTHSTONES

| Month | Birthstone | | Product | Properties |
|-----------|------------|---|-------------------------------------|----------------------------------|
| July | Ruby |  | Ruby Powder Ruby Extract | Vitality, Passion, Love |
| August | Peridot |  | Olivine Extract | Openness |
| September | Sapphire |  | Sapphire Powder Sapphire Extract | Truth, Sincerity, Freedom |
| October | Tourmaline |  | Tourmaline Tourmaline Extract | Healing, Happiness, Good Luck |
| October | Opal |  | Opal Powder Opal Extract | Love, Hope, Creativity |
| November | Topaz |  | Topaz Topaz Extract | Balance, Health |
| December | Turquoise |  | Turquoise Extract | Healing Good Luck |



PRODUCTS LIST



◆ OTHERS

| Gemstone | | Product | Properties |
|-------------|---|------------------------------------|---|
| Alexandrite |  | Alexandrite Powder | Very rare color-change variety of the mineral “emerald by day, ruby by night” |
| Amber |  | Amber Powder Amber Extract | It keeps the skin slightly acidic, boosts skin's immunity, promotes blood circulation, cell rejuvenation. |
| Citrine |  | Citrine Citrine Extract | Happiness, Joy, Light Reflects its equally vibrant energy. Cooling effect |
| Coral |  | Coral Powder Coral Extract | Clear skin tone, Abundant mineral |
| Gold |  | Gold Gold Extract | Success, Triumph, Wealth Anti-inflammatory, Anti-bacterial properties |
| Quartz |  | Quartz Quartz Extract | Clarity, Manifestation, Focus Enhancing energy flow and bringing the body into balance |
| Rose Quartz |  | Rose Quartz Rose Quartz Extract | Unconditional love, Forgiveness, Compassion |



PRODUCTS LIST

◆ OTHERS

| Gemstone | | Product | Properties |
|---|---|------------------------|--|
| Amber, Amethyst, Coral, Nephrite, Pearl, Tourmaline, Ruby |  | JEWEL JEWEL Extract | Mixture of Jewel Powders Amber Powder, Amethyst Powder, Coral Powder, Nephrite Powder, Pearl Powder, Tourmaline, Ruby Powder |
| Pearl |  | Black Pearl Tahiti | Wealth and Prosperity Black, Dark gray, Gray color |
| |  | Seawater Pearl | Akoya Pearl Cream, white pink, cream, Gold, Blue color |
| |  | South Sea Pearl | Cream, White, Green, Silver gray, Silver ping, Silver yellow color |
| |  | Conch Pearl | Pink color Very rare and valuable gem |
| Lapis Lazuli |  | Lapis Lazuli Extract | “The wisdom keeper” Truth, Awareness, Wisdom Healing energy |



PRODUCTS DETAILS – Formulation

Powder



Extract




- Extract extremely small amount of moisture included in jewel itself
- Water used during the manufacturing process after certain treatment



PRODUCTS DETAILS – Birthstones

✓ Garnet

| Product name | INCI name | Avg. particle size (µm) | Properties |
|---------------|---------------|-------------------------|------------------|
| Garnet powder | Garnet powder | 1 - 8 | Far infrared ray |



- Birthstone of January
- Represents Truth, Honor, Success
- Has a number of beautiful colors such as red, orange, yellow, brown, yellow green, deep green, purple, white, black except blue
- In the West, red garnet was used as a fever reducer, yellow one as a wonder drug for jaundice and so it was considered a gemstone that could protect people from death



PRODUCTS DETAILS – Birthstones

✓ Amethyst

| Product name | INCI name | Avg. particle size (µm) | Properties |
|-----------------|-----------------|-------------------------|-----------------------|
| Amethyst powder | Amethyst powder | 4 - 9 | Increasing blood flow |




- Birthstone of February
- Symbolic of Inner-Peace, Sincerity
- A kind of quartz stone with colors ranging from near-white light violet to dark purple, it is one of the most popular jewels among semiprecious stones.
- From old times, purple or violet – color for aristocrats – could be worn only by the royal families or aristocrats



PRODUCTS DETAILS – Birthstones

✓ Aquamarine

| Product name | INCI name | Avg. particle size (µm) | Properties |
|--|-------------------|-------------------------|------------------|
| Aquamarine Powder | Aquamarine Powder | 1.5 - 9 | Far infrared ray |
| <div><ul style="list-style-type: none">• Birthstone of March• Aquamarine-cool blue colored beryl associated with the clear and blue sea• A gemstone symbolizing ever lasting youth and happiness as well as providing humans with hope and health</div> | | | |



PRODUCTS DETAILS – Birthstones

✓ Diamond

| Product name | INCI name | Avg. particle size (µm) | Properties |
|-----------------------|----------------|-------------------------|------------------|
| Diamond powder | Diamond powder | 0.5 – 3.5 | Bright skin tone |
| Black Diamond powder | Diamond powder | 0.5 – 3.5 | Bright skin tone |
| Blue Diamond Powder | Diamond powder | 0.5 – 3.5 | Bright skin tone |
| Pink Diamond Powder | Diamond powder | 0.5 – 3.5 | Bright skin tone |
| Yellow Diamond Powder | Diamond powder | 0.5 – 3.5 | Bright skin tone |



- Birthstone of April
- King of gemstones, diamond is known to be the hardest gemstone among natural minerals available on the planet
- Symbol of purity and cleanliness, Nobleness
- Effective for exfoliation, pore reduction, and skin whitening



PRODUCTS DETAILS – Birthstones

✓ Nephrite(Jade)

| Product name | INCI name | Avg. particle size (µm) | Properties |
|-----------------|-----------------|-------------------------|---|
| Nephrite powder | Nephrite powder | 4 - 8 | Anti-inflammatory, Bright skin tone effect |



- Birthstone of May
- Green Nephrite – symbol of wealth and fame since a long time ago - is a transparent and beautifully - glittering gemstone
- Has other colors like black, green and yellow and rarely lavender jade
- Widely known to vitalize metabolism for skin by its emission of far infrared radiation



PRODUCTS DETAILS – Birthstones

✓ Pearl

| Product name | INCI name | Avg. particle size (µm) | Properties |
|--------------------|--------------|-------------------------|----------------------|
| Pearl Powder | Pearl powder | 1 - 8 | Bioactive substances |
| Black Pearl Tahiti | Pearl powder | 1 - 8 | Bioactive substances |
| Seawater Pearl | Pearl powder | 1 - 8 | Bioactive substances |
| Conch Pearl | Pearl powder | 1 - 8 | Bioactive substances |
| South sea Pearl | Pearl powder | 1 - 8 | Bioactive substances |



- Birthstone of June
- Pearl, a gem discovered in the sea, is symbolizing health, long life, wealth and pure
- Pearl represents piled lumps of pains that crabs have to endure in a struggle to defend themselves against attack of grains of sand or any parasite by discharging body fluids
- Recently the demand for 'black pearl' is rapidly increasing in Korean market



PRODUCTS DETAILS – Birthstones

✓ Moonstone

| Product name | INCI name | Avg. particle size (µm) | Properties |
|------------------|------------------|-------------------------|----------------------|
| Moonstone powder | Moonstone powder | 4 - 8 | Relaxing and balance |




- Birthstone of June
- Symbol of good fortune and self-knowledge
- Show a floating play of light (called adularescence) and sometimes show either a multi rayed star or a cat's eye
- Comes in a variety of colors such as green, blue, peach, and champagne
- It soothes emotional instability and stress, and stabilizes the emotions, providing calmness.



PRODUCTS DETAILS – Birthstones

✓ Ruby

| Product name | INCI name | Avg. particle size (µm) | Properties |
|--------------|-------------|-------------------------|------------------------|
| Ruby powder | Ruby powder | 0.5 - 8 | Jewel including oxygen |




- Birthstone of July
- Representing passionate affection, love and vitality
- Ruby with both of human blood color and glow plays a role to encourage its possessors and protect them from any injury
- With its far infrared ray, it helps blood circulation



PRODUCTS DETAILS – Birthstones

✓ Peridot

| Product name | INCI name | Properties |
|--|--------------------------------|---------------------|
| Olivine Extract | Olivine, Water, 1,2-Hexanediol | Increasing immunity |
| <div><ul style="list-style-type: none">• Birthstone of August• believed to bring happiness of the couple, harmony among friends• Peridot is the only one gemstone that was given from the universe to us (found from meteorites)• We can provide for only Extract.</div> | | |



PRODUCTS DETAILS – Birthstones

✓ Sapphire Powder

| Product name | INCI name | Avg. particle size (µm) | Properties |
|-----------------|-----------------|-------------------------|-------------------------|
| Sapphire powder | Sapphire powder | 0.1 – 6.5 | Relieving inflammations |




- Birthstone of September
- Symbolizes virtue, benevolence, faith and truth, freedom
- Sapphire was long used as a symbol of the church by being worn by bishops
- Sapphire was believed to have healing power along with ruby and to relieve its owner from vices



PRODUCTS DETAILS – Birthstones


✓ Tourmaline

| Product name | INCI name | Avg. particle size (µm) | Properties |
|--|------------|-------------------------|------------------|
| Tourmaline | Tourmaline | 2.5 - 8 | Bright skin tone |
| <div></div> <ul style="list-style-type: none">• Birthstone of October• Symbol of healing, happiness, and good Luck• Available in a wide variety of colors, it is ideally suited to almost anyone's taste• These bi-color or tri-color gems are formed in many combinations; gemstones with clear color distinctions are highly prized• Very famous for active far infrared radiation, which is good for blood circulation | | | |



PRODUCTS DETAILS – Birthstones

✓ Opal

| Product name | INCI name | Avg. particle size (µm) | Properties |
|--|-------------|-------------------------|-----------------------|
| Opal powder | Opal powder | 1.5 - 8 | Seven distinct colors |
| <div><ul style="list-style-type: none">• Another birthstone of October• Symbol of love and hope• Beautiful with gorgeous seven colors like the rainbow or the wings of a peacock• This is the working result of moisture contained in the stone and as soon as the moisture is released in the stone, seven colors are set to disappear</div> | | | |



PRODUCTS DETAILS – Birthstones

✓ Topaz

| Product name | INCI name | Avg. particle size (µm) | Properties |
|--------------|-----------|-------------------------|------------------|
| Topaz | Topaz | 4 – 8 | Bright skin tone |
| Topaz(White) | Topaz | 1.5 - 6 | Bright skin tone |
| Topaz(Pink) | Topaz | 0.2 – 5.5 | Bright skin tone |
| Topaz(Green) | Topaz | 3 - 9 | Bright skin tone |
| Topaz(Brown) | Topaz | 0.1 - 5 | Bright skin tone |




- Birthstone of November
- This gemstone, symbolizing hope, innocence and affection
- Has brown and shiny glitter like a tiger's eyes, making it an extremely rare and beautiful gemstone



PRODUCTS DETAILS – Birthstones

✓ Turquoise


| Product name | INCI name | Properties |
|--|----------------------------------|----------------------|
| Turquoise Extract | Turquoise, Water, 1,2-Hexanediol | Vitalizing skin cell |
| <div></div> <ul style="list-style-type: none">• Birthstone of December• Symbolizing success, victory and wisdom• Diverse hues ranging from green to dark sky blue• Since around 3,000 years ago, Chinese used it as accessories, while Mesopotamian or Aztec civilizations also used it• Believed to have an effect on blood-related diseases• We can provide for only Extract. | | |



PRODUCTS DETAILS – Others

✓ Alexandrite

| Product name | INCI name | Avg. particle size (µm) | Properties |
|--------------------|--------------------|-------------------------|----------------------|
| Alexandrite powder | Alexandrite powder | 0.5 - 8 | Color-change variety |




- One of the world's top 7 jewels
Exceptionally rare and valuable gem.
- The very rare color-change variety of the mineral chrysoberyl - Bluish green in daylight, purplish red in incandescent light
- Widely used for the removal of freckles and hair removal using long wave laser equipment of medical equipment
- Mohs Hardness level is 8 or higher. It's excellent for exfoliating



PRODUCTS DETAILS – Others

✓ Amber

| Product name | INCI name | Avg. particle size (µm) | Properties |
|--------------|--------------|-------------------------|----------------------|
| Amber powder | Amber powder | 3 - 11 | Deodorizing activity |




- The amber can be explained as a fossil of resin that has flowed out of a tree
- Loses volatile compounds completely while buried underground, and goes through a polymerization of hydrocarbon that is often called terpene
- Only the resin substances that have not been dismantled over a long period of time become amber



PRODUCTS DETAILS – Others


✓ Coral

| Product name | INCI name | Avg. particle size (µm) | Properties |
|---|--------------|-------------------------|-----------------|
| Coral powder | Coral powder | 1.5 - 7 | Clear skin tone |
| <div><ul style="list-style-type: none">• Made out of floating bones of sea creatures so called Coral Polyp• Symbol of bright mind• Corals make its cover of calcareous by bonding carbon dioxides in the sea and calcium ions• Distributed in areas of Jeju island, Ulleung Island, Philippines, Kyushu Japan, and deep sea of Taiwan</div> | | | |



PRODUCTS DETAILS – Others


✓ Gold

| Product name | INCI name | Avg. particle size (µm) | Properties |
|---|-----------|-------------------------|---------------------------|
| Gold | Gold | 11 ~ 20 | Anti-bacterial properties |
| <div></div> <ul style="list-style-type: none">• Symbol of wealth, success, triumph• Throughout history, gold has been seen as a special and valuable jewel.• Gold is non-toxic has anti-inflammatory and Anti-bacterial properties.• It also works as an antioxidant and increases oxygen supply to the skin cells. | | | |



PRODUCTS DETAILS – Others

✓ Quartz

| Product name | INCI name | Avg. particle size (µm) | Properties |
|---|-----------|---|------------------------|
| Quartz | Quartz | 4 - 9 | Glowing effect on skin |
| Rose Quartz | Quartz | 3 - 9.5 | Glowing effect on skin |
| Citrine | Quartz | 3 - 9.5 | Glowing effect on skin |
|  | | <ul style="list-style-type: none">• Crystal, a kind of natural minerals, is created in combination with silicon and oxygen• Recently it is used for therapeutic tool (skin peeling procedure)• Play a role of promoting the effect of skin regeneration by heightening absorbing powder to enable nutritive substances to permeate into the skin• Composed of silicon dioxide, which is also found in the human body | |



PRODUCTS DETAILS – Others

✓ Jewel

| Product name | INCI name | Avg. particle size (µm) | Properties |
|--------------|---|-------------------------|-------------------|
| Jewel | Amber Powder, Amethyst Powder, Coral Powder, Nephrite Powder, Pearl Powder, Ruby Powder, Tourmaline | 4 - 8 | Abundant minerals |




- Special product
- Providing the mixture of jewel powders with certain proportion



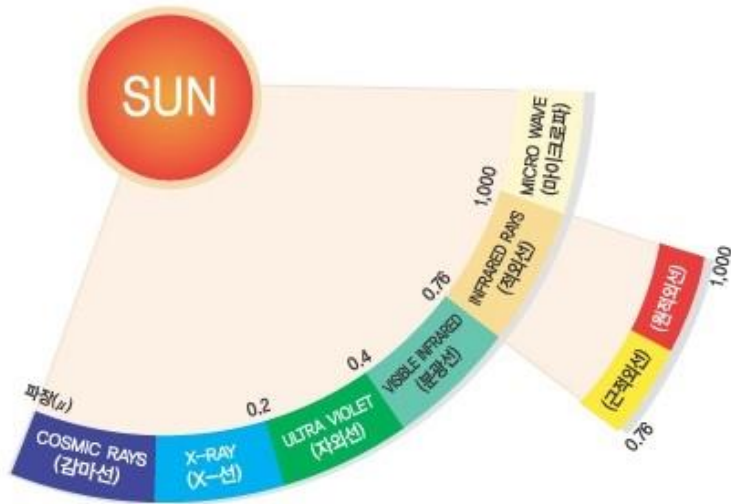
PRODUCTS DETAILS – Others

✓ Lapis Lazuli

| Product name | INCI name | Properties |
|--|-------------------------------------|-------------------|
| Lapis Lazuli Extract | Lapis Lazuli, Water, 1,2-Hexanediol | Abundant minerals |
| <div><ul style="list-style-type: none">• Symbolizing Truth, Wisdom, the Royal family in Europe.• Composed of silicate alkali ions (SiO_2, CaO and MgO) and is known to help in exfoliation and skin activation.• We can provide for only Extract.</div> | | |



Jewels : Effect of Far-Infrared Radiation



태양광선 분광표 (Electromagnetic Spectrum of Sunlight)

원적외선 방출



The radiation effects of far infrared radiation on the human body include **the rise of subcutaneous atriium temperature, the expansion of fine blood vessels, the promotion of blood circulation, the enhancement of metabolism, and the growth of tissue regeneration capacity.**

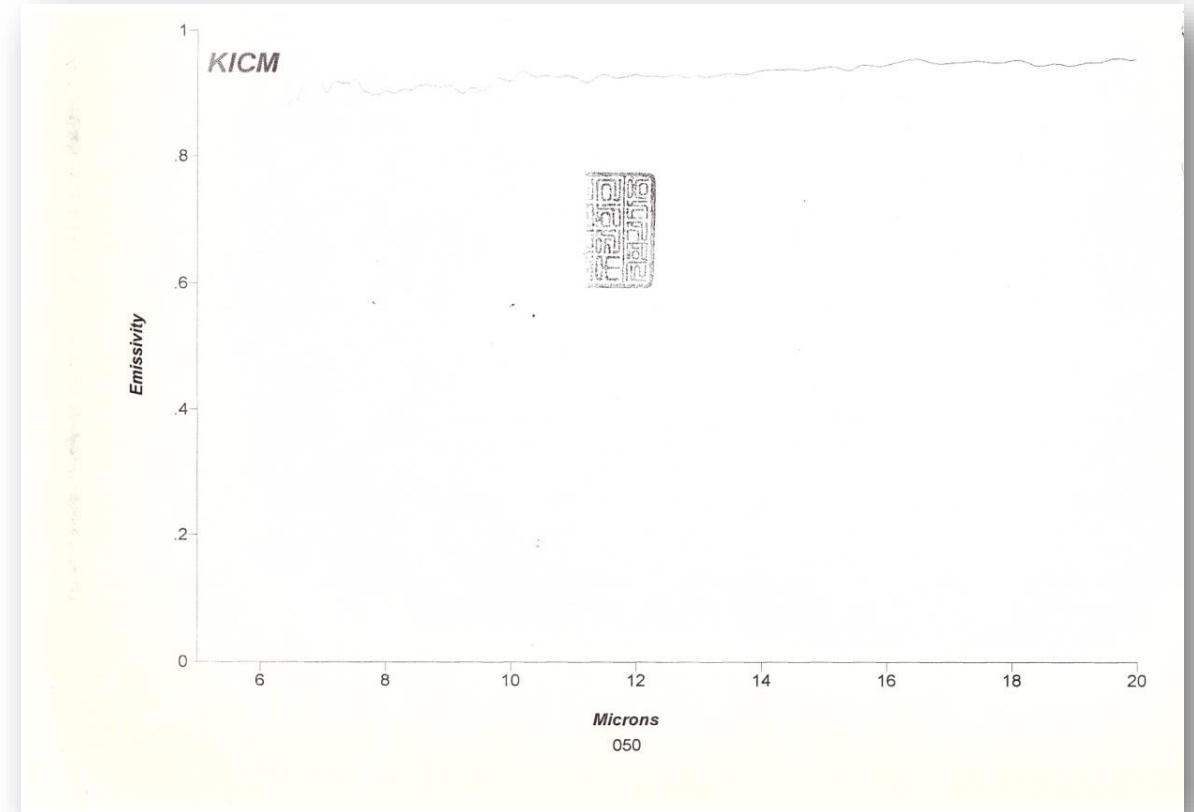
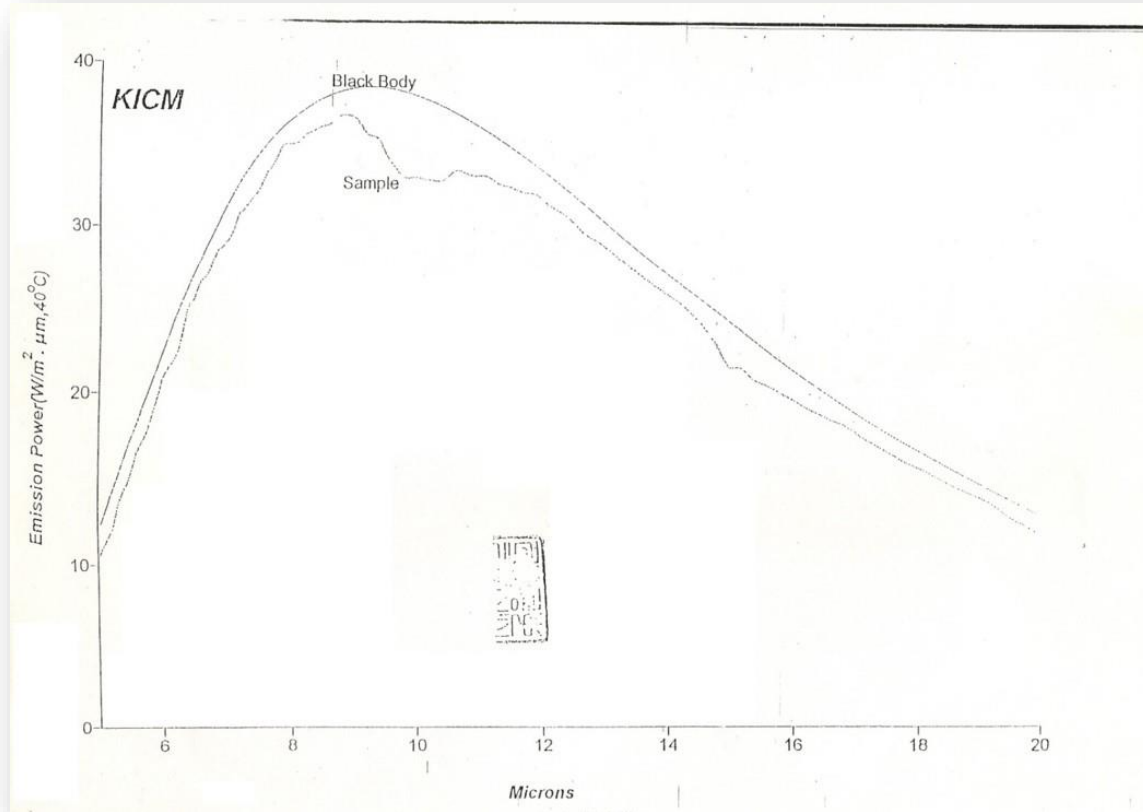
For example, in water at 30°C, warm energy is rarely felt, but we feel warm when exposed to the same temperature of sunlight, because the infrared rays contained in the sun penetrate deep into the skin and create heat inside.

This heat action helps **eliminate germs that cause various diseases, and helps blood circulation and cell tissue production through capillary expansion.**

In addition, it is known to help **cell tissue activation, metabolism promotion, chronic fatigue,** and sleep maintenance by shaking the cells minutely 2,000 times per minute when they touch the water and protein molecules that make up the cells.



Jewels : Effect of Far-Infrared Radiation





Jewels : Effect of Color Therapy

Purple : Luxury, Dignity, Creativity

Shades of purple have been used to help calm people with nervous or mental imbalances. A very spiritual color, it is traditionally worn by the clergy and denotes spiritual peace and awareness.

Purple

Blue : Loyalty, Wisdom, Confidence

Blue is cool and calming, inspiring mental clarity and inner peace. It gives us a sense of security and has been shown to lower blood pressure by calming the autonomic nervous system.

Blue

Red

Red : Courage, Passion, Power

Known to be able to raise blood pressure, red can strengthen and stimulate the body. Our blood contains red blood corpuscles, which provide nourishment to our organs.

Orange

Orange : Energy, Happiness, Fascination

The color orange has an energizing feel, promotion confidence and well-being. Encourages creativity and passion, and has beneficial effects on digestive and reproductive systems.

Yellow

Yellow : Joy, Happiness, Mental activity & muscle energy

Yellow is an energizing and uplifting color that encourages positivity and inner power. It strengthens the nervous and digestive systems, calming butterflies in the stomach or stress-related tension in the abdominal area.

Green

Green : Harmony, Freshness, Fertility

We instinctively lean towards green when in need of balance or harmony, which explains the popularity of gardening. Green is also good for the heart as it aids relaxation.

1

Sheet mica refinement technology

2

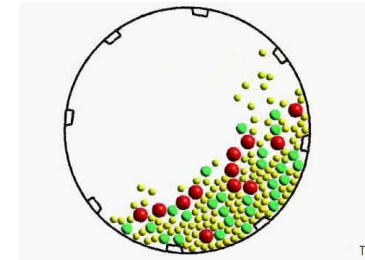
High-Purity refinement technology using decantation

3

Characterization task technology for aspect ratio of sheet raw materials

4

Characterization task technology using crushing equipment for particles



5

High-purity refinement technology for raw materials of cosmetics using a high-technology

6

Technology for development of raw materials with natural colors using sheet raw materials

7

Silicon separation of the raw materials with natural colors and microelement refinement technology

8

Eco-friendly technology for treatment of heavy metals





Report of Gem Identification

Woojin Sericite is purchasing directly from mines and discovering overseas companies for stable supply of raw materials.

Also Woojin Sericite is devoting itself to discover of good raw materials through equipment inspection and screening by the Korea Institute of Geoscience and Mineral Resources for 3 months when purchasing raw minerals.

REPORT OF GEM IDENTIFICATION

강명 결과 요약 (Test Conclusion) No. 060016 Date: 2018. 01. 03.

종류 (Species): Natural Nephrite
원인 연옥

중량 (Carat Weight): 0.54 CT
색상 (Color): White
투명도 (Transparency): TL
형제 (Shape): Cabochon cut
지수 (Size): 5.3 mm
보조지 (Side View): * * *

강명 방법 (Method of Identification):
☐ 굴절률 Refractive Index
☐ 분광법 Absorption Spectrum
☐ 편광법 Dichroism
☐ 광학 특성 Optical Character
☐ 광학 특성 Optical Character
☐ 광학 특성 Optical Character
☐ 광학 특성 Optical Character

Identified by: Lee, Sang suk

버진보석감정원
Virgin Gemological Laboratory

Natural Nephrite

REPORT OF GEM IDENTIFICATION

강명 결과 요약 (Test Conclusion) No. 060009 Date: 2018. 01. 14.

종류 (Species): Natural Quartz
원인 로즈 퀴츠

중량 (Carat Weight): 1.59 CT
색상 (Color): Faint Pink
투명도 (Transparency): TP
형제 (Shape): Cabochon cut
지수 (Size): 5.3 mm
보조지 (Side View): * * *

강명 방법 (Method of Identification):
☐ 굴절률 Refractive Index
☐ 분광법 Absorption Spectrum
☐ 편광법 Dichroism
☐ 광학 특성 Optical Character
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☐ 광학 특성 Optical Character
☐ 광학 특성 Optical Character

Identified by: Lee, Sang suk

버진보석감정원
Virgin Gemological Laboratory

Natural Rose Quartz

REPORT OF GEM IDENTIFICATION

강명 결과 요약 (Test Conclusion) No. 060020 Date: 2018. 01. 04.

종류 (Species): Natural Corundum
원인 러프 루비

중량 (Carat Weight): 0.78 CT
색상 (Color): Red
투명도 (Transparency): TL
형제 (Shape): Cabochon cut
지수 (Size): 5.0 mm
보조지 (Side View): * * *

강명 방법 (Method of Identification):
☐ 굴절률 Refractive Index
☐ 분광법 Absorption Spectrum
☐ 편광법 Dichroism
☐ 광학 특성 Optical Character
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☐ 광학 특성 Optical Character
☐ 광학 특성 Optical Character

Identified by: Lee, Sang suk

버진보석감정원
Virgin Gemological Laboratory

Natural Rough Ruby

REPORT OF GEM IDENTIFICATION

강명 결과 요약 (Test Conclusion) No. 060131 Date: 2018. 01. 03.

종류 (Species): Nat. Pink Tourmaline
원인 핑크 투어말린

중량 (Carat Weight): 0.61 CT
색상 (Color): Pink
투명도 (Transparency): TP
형제 (Shape): Cabochon cut
지수 (Size): 5.0 mm
보조지 (Side View): * * *

강명 방법 (Method of Identification):
☐ 굴절률 Refractive Index
☐ 분광법 Absorption Spectrum
☐ 편광법 Dichroism
☐ 광학 특성 Optical Character
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☐ 광학 특성 Optical Character

Identified by: Lee, Sang suk

버진보석감정원
Virgin Gemological Laboratory

Nat, Pink Tourmaline

Tahiti Black Pearl

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Identified by: Lee, Sang suk

Identified by : Loo, Sang suk

Identified by : Lee, Sang suk

| 결과 (Identified) |
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|-----------------|



X

OAH
international

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If you have any inquiries about products,
feel free to contact to **OAH International**.