

# No-TiO<sub>2</sub> K-RAY® Effect Pigments



White/Silver, Interference and Gold pearls are usually made by laying down Titanium Dioxide on a substrate (with or without color). However, some consumers seem to favor products without TiO<sub>2</sub>. For these customers, we

have released a new series of Special Effect Pigments, the NT (No-TiO<sub>2</sub>) series. It replaces Titanium Dioxide with Cerium Oxide on White pearls, and use only Silica and Iron Oxide for Gold and Long Color Travel Pearls.

Name	INCI Name	Particle Size (µm)
<b>WHITE / SILVER</b>		
<b>New</b> K-RAY® SM BRIGHT CRYSTAL NT*	Synthetic Fluorphlogopite (And) Cerium oxide (And) Silica	10 - 60
<b>New</b> K-RAY® SM SPARKLE CRYSTAL NT*	Synthetic Fluorphlogopite (And) Cerium oxide (And) Silica	40 - 160
<b>New</b> K-RAY® SM ULTRA SPARKLE CRYSTAL NT*	Synthetic Fluorphlogopite (And) Cerium oxide (And) Silica	100 - 700
<b>GOLD</b>		
<b>New</b> K-RAY® SM PLATINUM FINE GOLD NT	Synthetic Fluorphlogopite (And) Silica (And) Iron Oxides (CI 77491)	5 - 25
<b>New</b> K-RAY® SM PLATINUM GOLD NT	Synthetic Fluorphlogopite (And) Silica (And) Iron Oxides (CI 77491)	10 - 60
<b>LONG COLOR TRAVEL</b>		
<b>New</b> K-RAY® SM PERPETUAL BlueGold NT	Silica (And) Synthetic Fluorphlogopite (And) Iron Oxides (CI 77491)	10 - 60
<b>New</b> K-RAY® SM PERPETUAL LilacBlue NT	Synthetic Fluorphlogopite (And) Silica (And) Iron Oxides (CI 77491)	10 - 60
<b>New</b> K-RAY® SM PERPETUAL GoldRed NT	Synthetic Fluorphlogopite (And) Silica (And) Iron Oxides (CI 77491)	10 - 60



K-RAY® SM SPARKLE CRYSTAL NT



K-RAY® SM ULTRA SPARKLE CRYSTAL NT



K-RAY® SM PLATINUM GOLD NT



K-RAY® SM PERPETUAL BlueGold NT



K-RAY® SM PERPETUAL LilacBlue NT



K-RAY® SM PERPETUAL GoldRed NT

\* Also available on Natural Mica substrate

## KMU-057A-EU No-TiO<sub>2</sub> Pearly Highlighter Stick

### Part 1

- EMotion Light - Amyris: *Tripelargonin* 40.80%
- DUB SSIC - Stearinerie Dubois: *Stearinerie Dubois* 17.00%
- KOBOGUARD® NATURAL 3000-CCT - Kobo Products: *Glyceryl Hydrogenated Rosinate (And) Caprylic/Capric Triglyceride* 7.14%
- MASESTER E6000 RSPO MB - Ampak Company: *Caprylic/Capric Triglyceride* 2.86%
- Plurol Diisostearique - Gattefosse: *Polyglyceryl-3 diisostearate* 2.00%
- BWYO-ASGP3 - Kobo Products: *Iron Oxides (CI 77492) (And) Stearoyl Glutamic Acid (And) Polyhydroxystearic Acid* 0.60%
- Symdiol 68 - Symrise: *1,2-Hexanediol (And) Caprylyl Glycol* 0.60%
- BWRO-ASGP3 - Kobo Products: *Iron Oxides (CI 77491) (And) Stearoyl Glutamic Acid (And) Polyhydroxystearic Acid* 0.30%

### Part 2

- Sunflower wax - Strahl & Pitsch, Inc.: *Helianthus Annus (Sunflower) Seed Wax* 6.00%
- DUB PTB - Eckart/BYK: *Pentaerythrityl Tetrabenenate* 4.00%
- Kesterwax K82H - Koster Keunen: *C20-40 Alkyl Stearate* 2.00%

### Part 3

- K-RAY® SM BRIGHT CRYSTAL NT - Kobo Products: *Synthetic Fluorphlogopite (And) Cerium oxide (And) Silica* 12.50%
- MSS-500/3H - Kobo Products: *Silica* 2.00%
- MSS-500/N - Kobo Products: *Silica* 1.20%
- Cellulobeads D-10-NPC2 - Kobo Products: *Cellulose (And) Hydrogenated Lecithin* 1.00%

### Manufacturing Procedure

1. Mix ingredients of Part 1.
2. Add Part 2 and heat upto 90 degrees C, Add Part 3 and mix until homogenous.
3. Pour at 85 degrees C, cool at RT.

### Description

This highlighter stick glides on the skin and gives a pearly glow to the skin. The formula forms an even film on the skin, with the help of KOBOGUARD® NATURAL 3000-CCT, a natural origin film former. The main ingredient of the highlighter is our new No-TiO<sub>2</sub> pearl K-RAY® SM BRIGHT CRYSTAL NT that gives a subtle, natural glow to skin. The hint of colour is obtained by using our superdispersible ASGP-treated iron oxides. Supersmooth texture is obtained by using Cellulobeads D-10-NPC2 and MSS-500/N. MSS-500/3H is used to prevent sweating of the bullets.

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