



KAJI MUNDO

DIY PIGMENT KIT LUMAYA BLUE

PLANT BASED . COMPOSTABLE . WASHABLE

ABOUT LUMAYA BLUE

Lumaya Blue is an experimental exploration of the Mayan blue color making techniques from the Aztec period- where a porous clay and natural indigo were heated to create the iconic Blue color used for pottery and paintings.

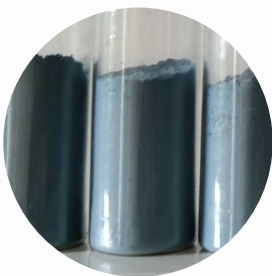
Typically a magnesium rich clay (Palygorskite) is used, however in Indonesia this is not easily available. Lumaya Blue uses Kaolin clay locally sourced in Indonesia. The resulting colour is different to the traditional Maya blue but you can achieve lovely soft pastels, and bright indigo blue colours.

You mix your Lumaya pigments with your favorite binder and water to paint or print on various media, including textiles.

How does Mayan Blue work?

The chemistry behind the process of Mayan Blue is still being explored by scientists, at a high level what happens is that as Kaolin or other porous clays are heated with indigo, the moisture content inside the clay evaporates and is replaced by the indigo molecules creating an entirely new pigment. The reaction takes about 20 minutes, when the mixture reaches around 200-230 degrees Celsius.

The vessel used to make the pigments needs to be completely dry in order for the reaction to work and the mixture should also be stirred constantly.



How to make LuMayan Blue using our kit:

You'll need:

- A small pot
- Kaolin Clay
- Kaji Mundo Natural Indigo Pigment
- Stove capable of low heat
- Wooden spoon
- Measuring spoons
- Sealable container or jars to store your pigment
- Timer/stopwatch
- **Wear a mask** - protect your airways from small pigment particles.

1. Decide how much pigment you want to make. Measure out your Kaolin clay based on this amount. Eg for 30grams of pigment you'd use 30grams of Kaolin.
2. Add your indigo. Indigo is **1:10 ratio of indigo to Kaolin**, for example for 30 grams of Kaolin Clay you'd add 3 grams of indigo.
3. Stir well to combine the Kaolin and indigo
4. Add heat! Using a low heat, heat your pot with the kaolin-indigo mixture. Stir constantly.
5. Watch the change: After a a little while you'll see the mixture start to change color to a bright violet blue, keep stirring until the entire mixture has changed color to a bright blue. Once your happy with the colour take your pot off the heat and leave it to cool.
6. Decant your pigments into a jar with a lid, and keep it stored in a dry place.

TIP!

We've had our best results heating the mixture in a terracotta pot



NATURAL INK MIXING FOR PRINTING TUTORIAL

<https://www.kajimundo.com/tutorial>

CONTACT US

We'd love to hear from you! Feel free to drop us message if you have any questions or if you would like us to feature your natural ink creations:

kajimundo@gmail.com

Instagram: @kajimundo