

# Technical Data Sheet

Product Code: **VIS 442**

Product Description: 442nm NIR Dye

## Properties

Appearance: **yellow free flowing powder**

Melting Point: **250°C +**

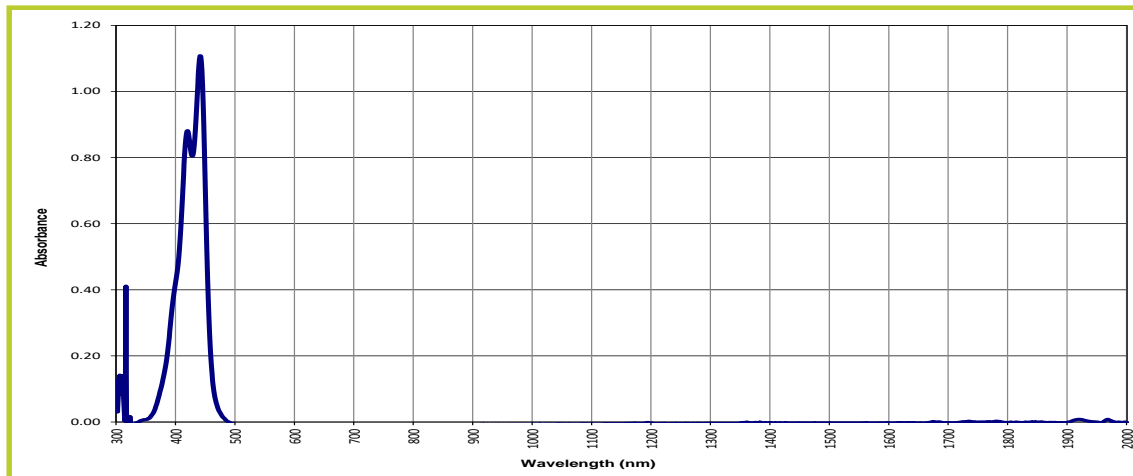
Lambda Max: **442 nm**

Absorptivity: **147 (L g<sup>-1</sup> cm<sup>-1</sup>)**

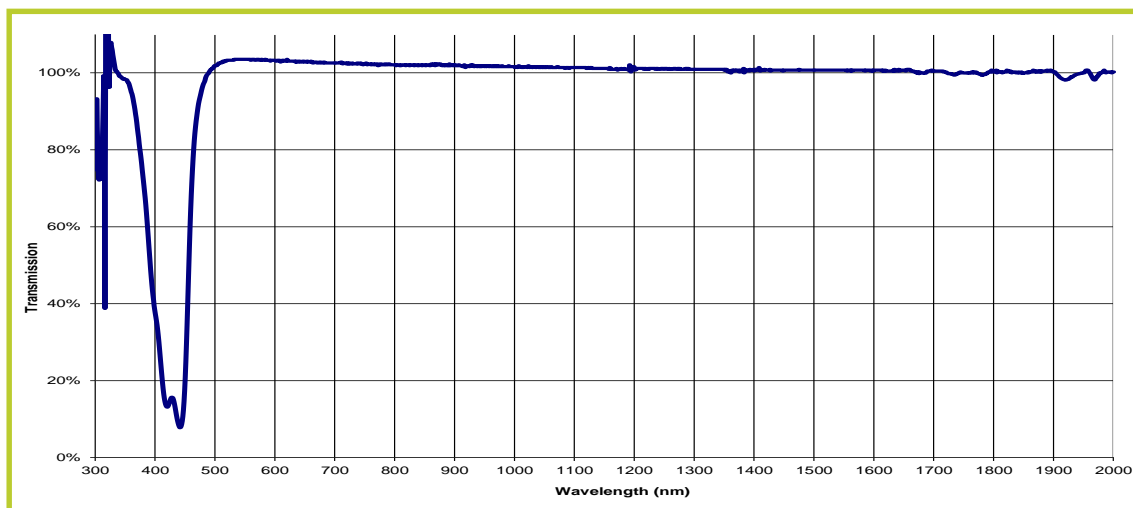
Solubility (grams/100 grams of solvent):

**Acetone**

**Absorption Curve**



**Transmission Curve**



Due to its' excellent balance of properties, **Dye 441** finds use in a broad range of applications where the absorption of visible light, and the transmission of infrared light is important:

**Application:** Used to block 300-400nm range in inks coatings.

**Thermal Stability** - can be used in Polycarbonate



**Adam Gates & Company**