

Technical Data Sheet

Product Code: **VIS Dye 642**

Product Description: 642nm NIR Dye

Properties

Appearance: **blue free flowing powder**

Melting Point: **120°C – 122°C**

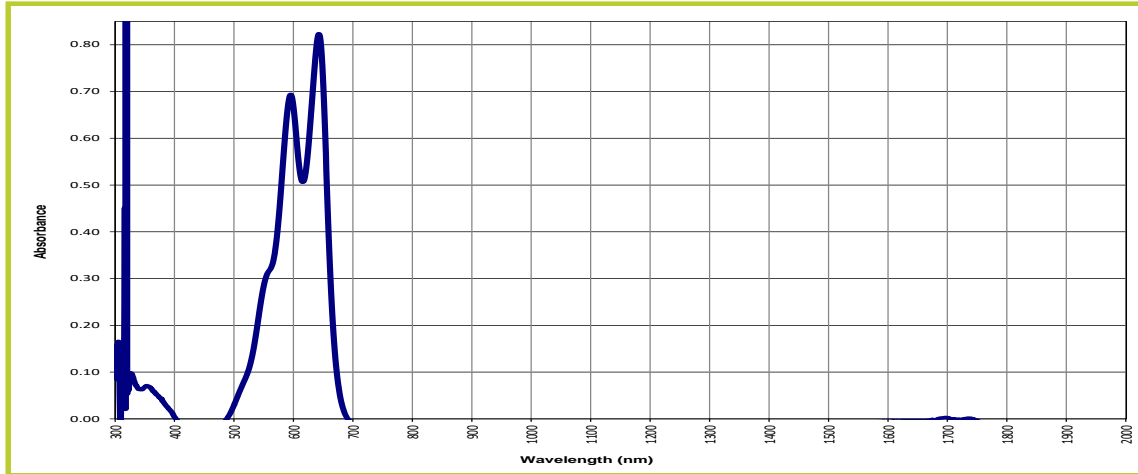
Lambda Max: **642 nm**

Absorptivity: **50 (L g⁻¹ cm⁻¹)**

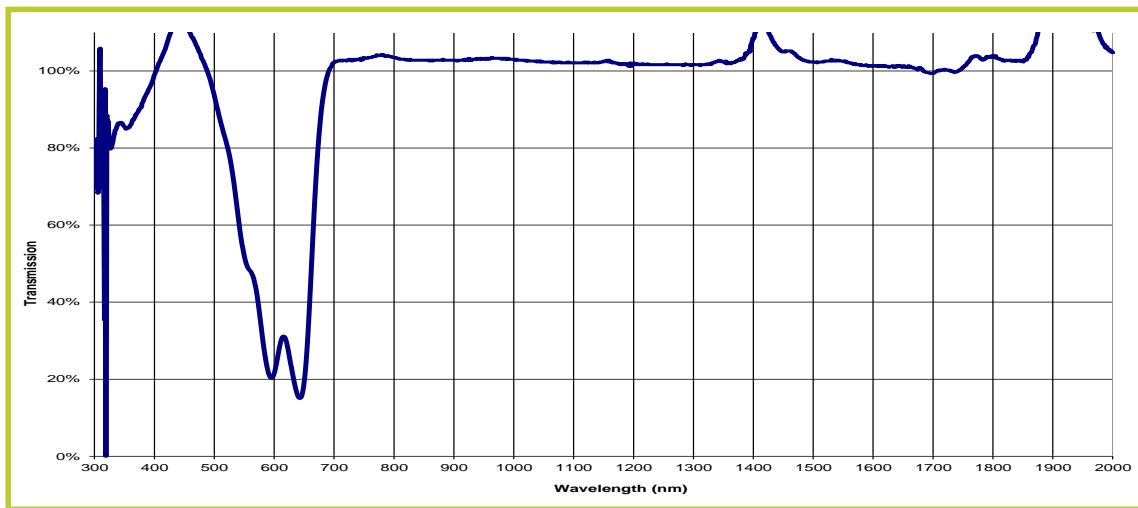
Solubility (grams/100 grams of solvent):

Acetone

Absorption Curve



Transmission Curve



Due to its' excellent balance of properties, **VIS 642** finds use in a broad range of applications where the absorption of Visible light, and the transmission of Infrared light is important:

- Plastics
- Coatings
- Epoxy Systems
- Inks



Adam Gates & Company