

# Technical Data Sheet

Product Code: **VIS 542**

Product Description: 542nm NIR Dye

## Properties

Appearance: **purple free flowing powder**

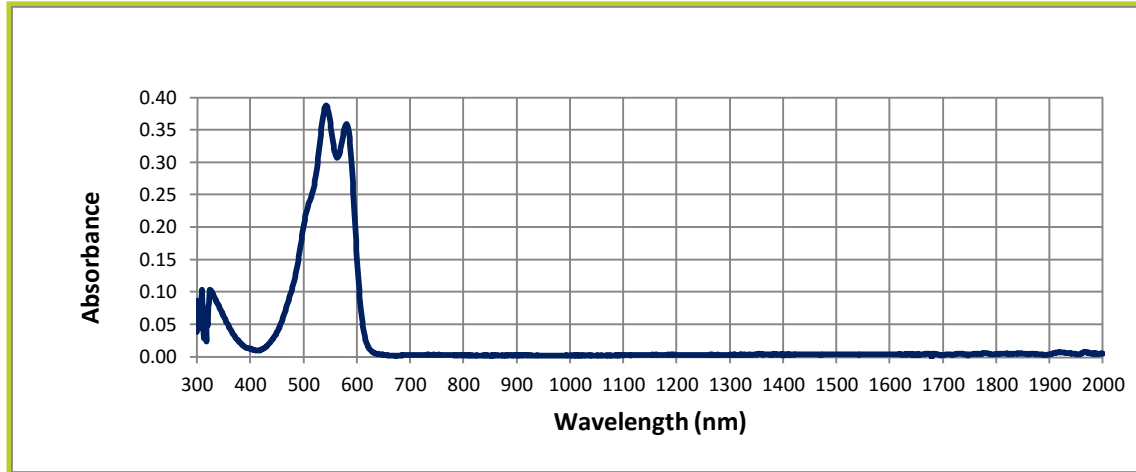
Melting Point: **186°C+**

Lambda Max: **542 nm**

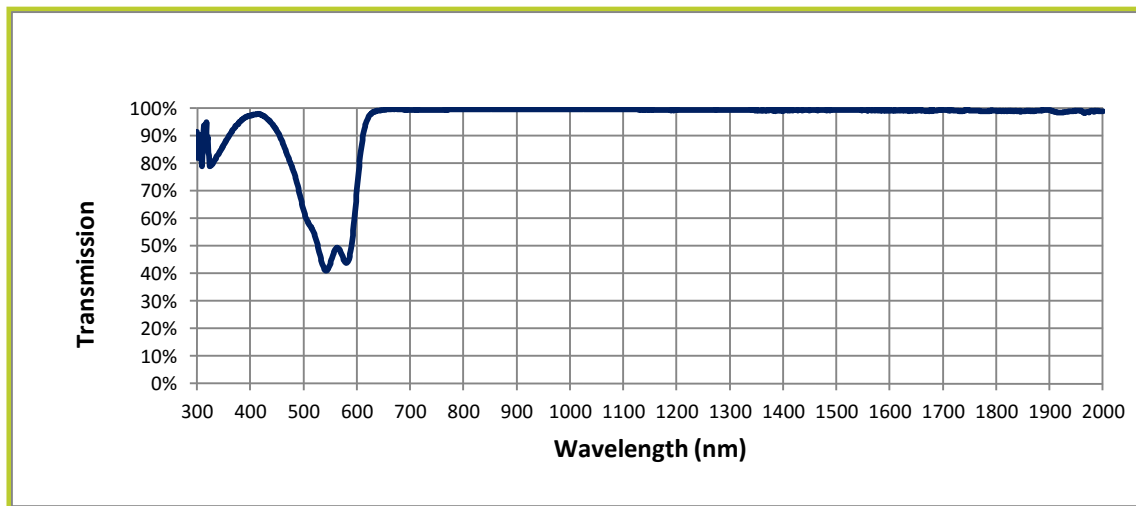
Absorptivity: **38.42 (L g<sup>-1</sup> cm<sup>-1</sup>)**

Solubility (grams/100 grams of solvent):  
**acetone, methanol**

Absorption Curve



Transmission Curve



Due to its' excellent balance of properties, **VIS 542** 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 400 - 600nm range in inks coatings, and polycarbonate.



**Adam Gates & Company**