

Technical Data Sheet

Product Code: **IR Dye 9814**

Product Description: 814nm NIR Dye

Properties

Appearance: **green free flowing powder**

Melting Point: **300°C+**

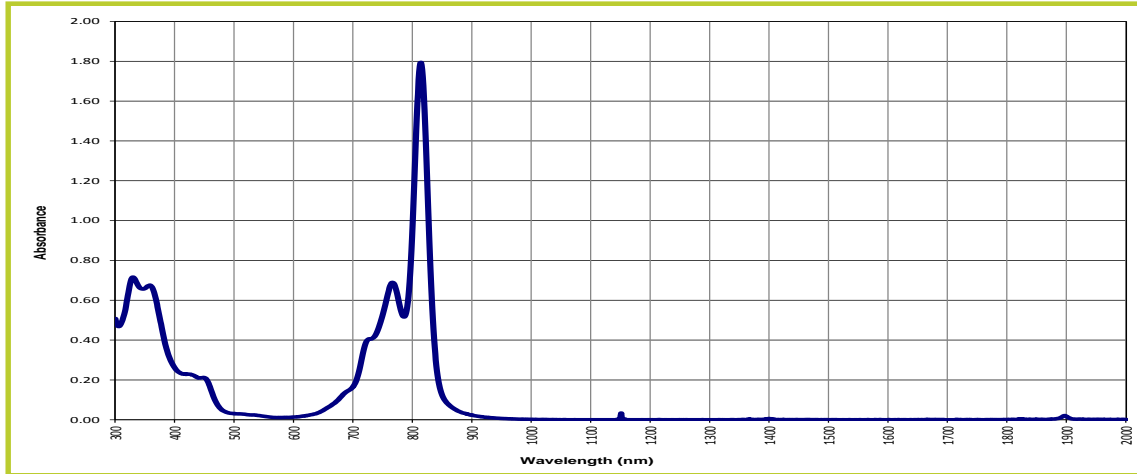
Lambda Max: **814 nm**

Absorptivity: **150 (L g⁻¹ cm⁻¹)**

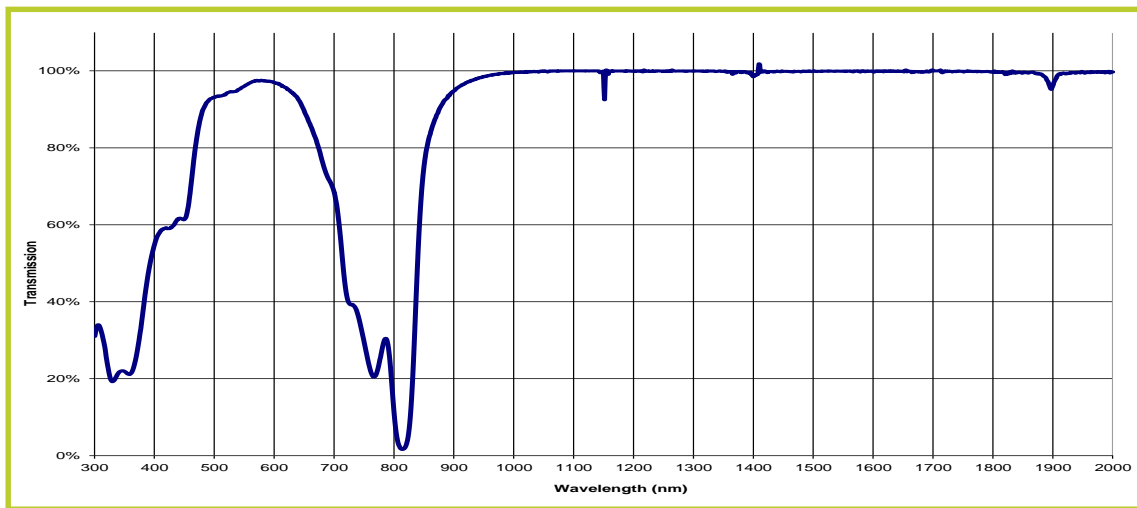
Solubility (grams/100 grams of solvent):

Chloroform

Absorption Curve



Transmission Curve



Due to its' excellent balance of properties, **IR Dye 9814** finds use in a broad range of applications where the absorption of Infrared light, and the transmission of Visible light is important:

Long pass filters: Very sharp cutoff at 814 nm. Can be used in Polycarbonate

Laser protective eyewear – Protection at 814nm, with excellent visible light transmission



Adam Gates & Company