

Technical Data Sheet

Product Code: **IR Dye 1112**

Product Description: 955nm NIR Dye

Properties

Appearance: **green free flowing powder**

Melting Point: **127°C – 129°C**

Lambda Max: **955 nm**

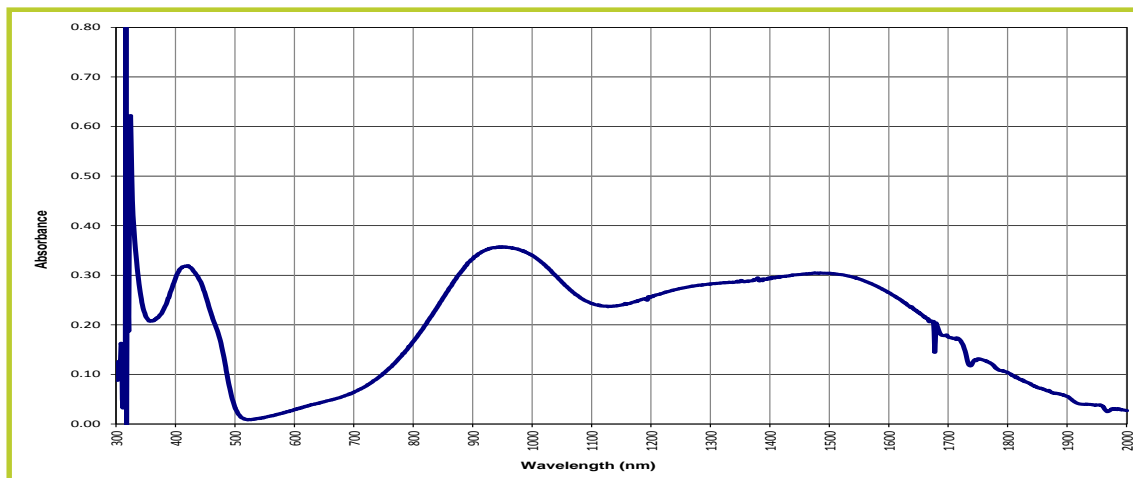
Absorptivity: **21 (L g⁻¹ cm⁻¹)**

Solubility (grams/100 grams of solvent):

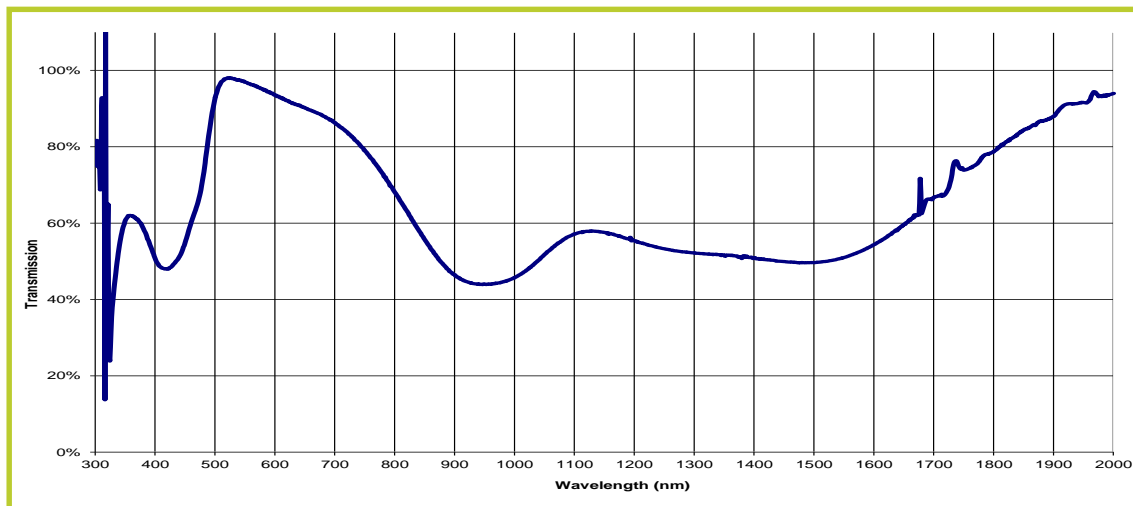
MEK > 5.9 grams, THF > 6 grams,

Cyclohexanone > 5.9 grams

Absorption Curve



Transmission Curve



Due to its' excellent balance of properties, **IR Dye 1112** finds use in a broad range of applications where the absorption of Infrared light, and the transmission of Visible light is important:

Contains No Metal

Broad band IR absorption

Applications: Inks, coatings, thermoplastics



Adam Gates & Company