

# Technical Data Sheet

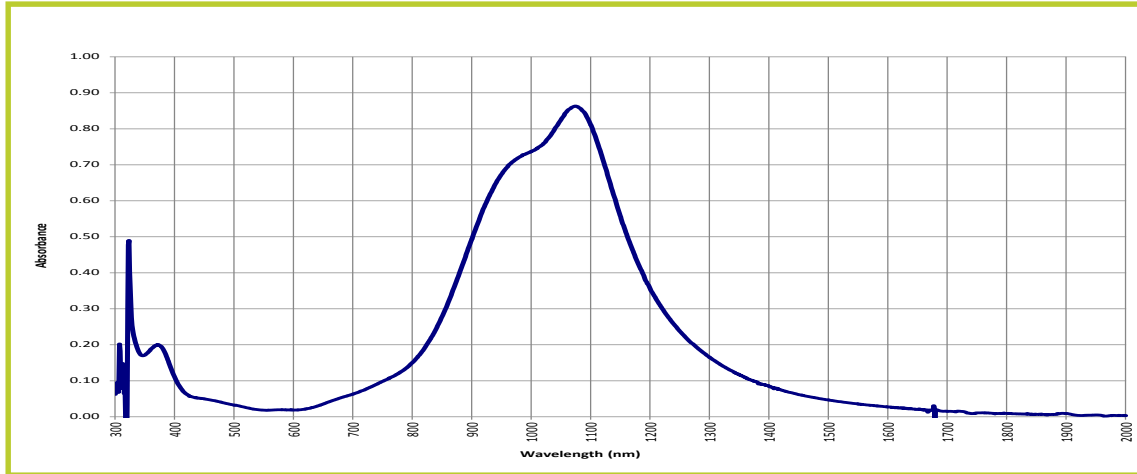
Product Code: **IR Dye 1117**

Product Description: 1074nm NIR Dye

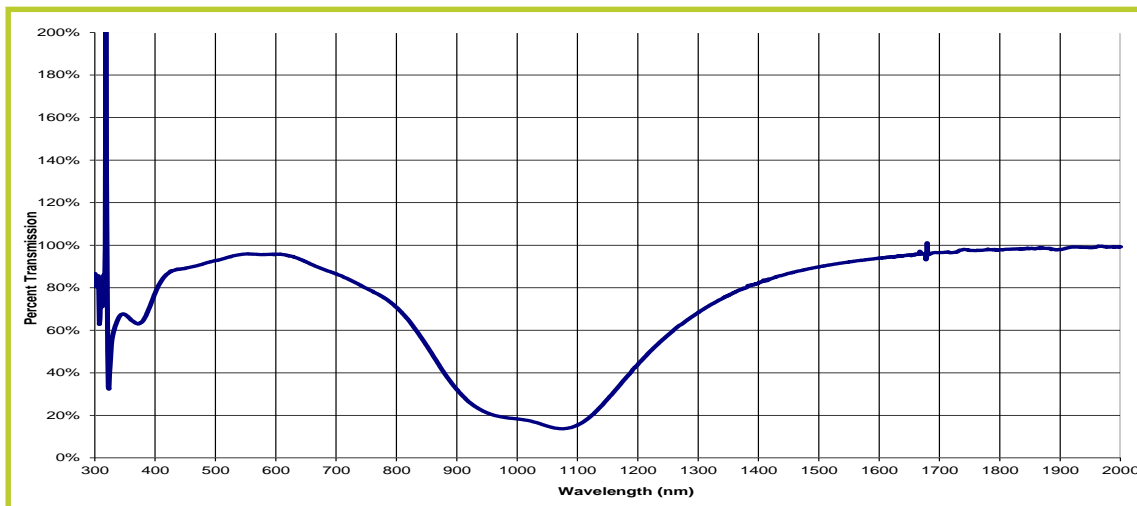
## Properties

Appearance: **brown free flowing powder**  
Melting Point: **186°C – 189°C**  
Lambda Max: **1074 nm**  
Absorptivity: **73 (L g<sup>-1</sup> cm<sup>-1</sup>)**  
Solubility (grams/100 grams of solvent):  
**Acetone: 10.3, MEK: 7.6, Cyclohexanone: 1.85**

Absorption Curve



Transmission Curve



Due to its' excellent balance of properties, **IR Dye 1117** finds use in a broad range of applications where the absorption of Infrared light, and the transmission of Visible light is important:

**Acrylic Infrared Filters**

**Inks and Coatings**

