

Technical Data Sheet

Product Code: **IR Dye 9711**

Product Description: 711nm NIR Dye

Properties

Appearance: blue/green free flowing powder

Melting Point: >300°C

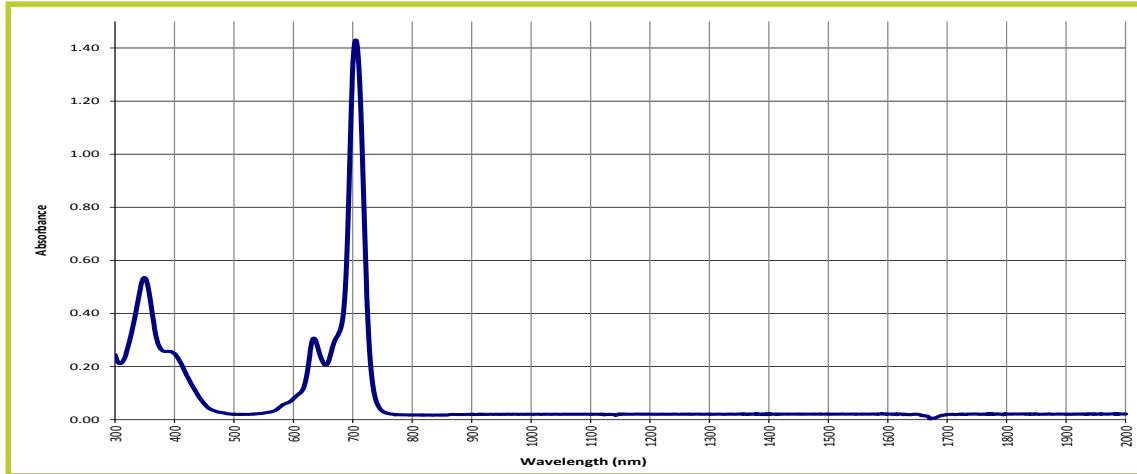
Lambda Max: 711 nm

Absorptivity: 188 (L g⁻¹ cm⁻¹)

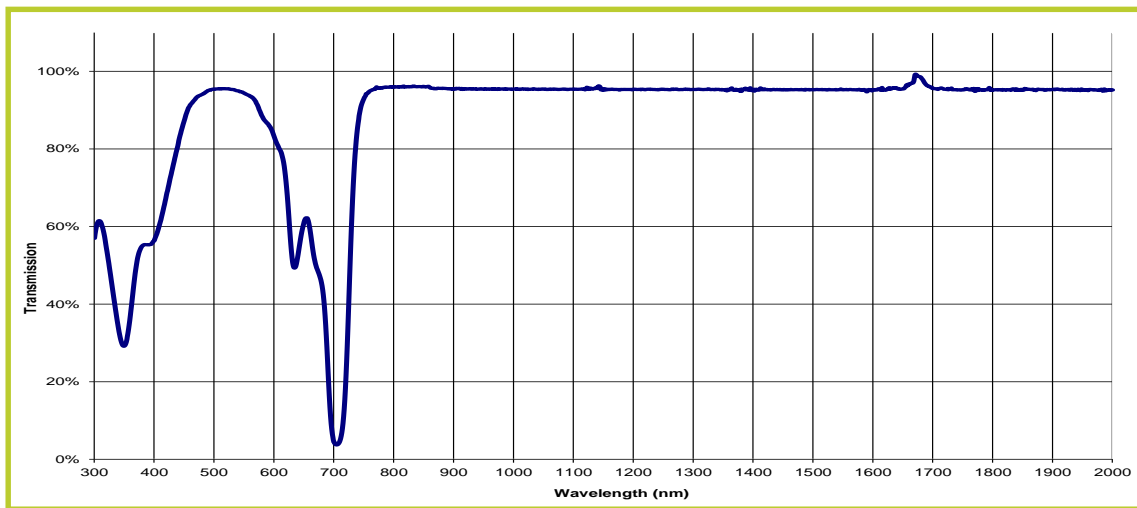
Solubility (grams/100 grams of solvent):

Chloronaphthalene

Absorption Curve



Transmission Curve



Due to its' excellent balance of properties, **IR Dye 9711** finds use in a broad range of applications where the absorption of Infrared light, and the transmission of Visible light is important:

Excellent Thermal Stability- for processing into polycarbonate.

Excellent Visible Light Transmission – resulting from the very high absorptivity, which allows you to use less dye to meet the specs, thereby improving the VLT.

Recommended for polycarbonate laser protective eyewear.

Band pass Filters: Very sharp cutoff at 711 nm. Can be used in Polycarbonate.



Adam Gates & Company