

Technical Data Sheet

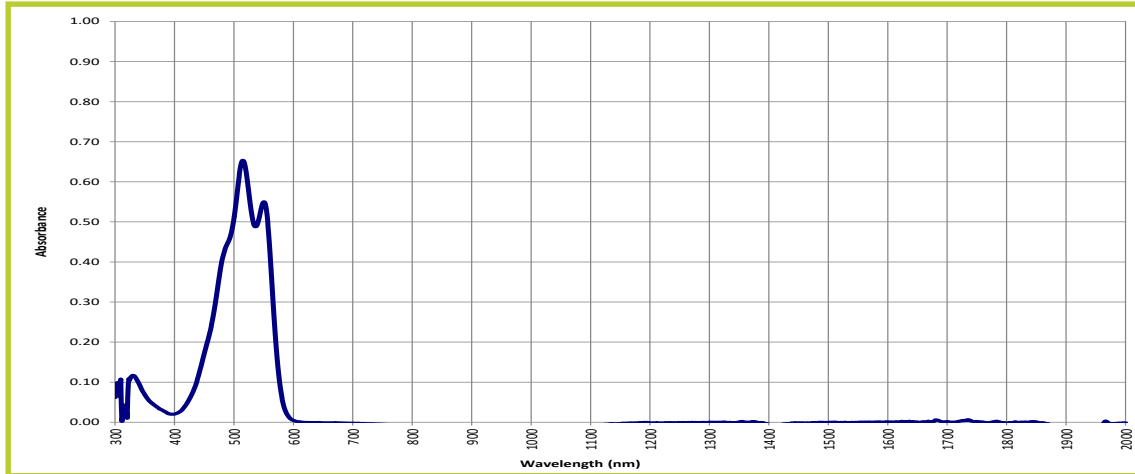
Product Code: **IR Dye 532**

Product Description: **515nm NIR Dye**

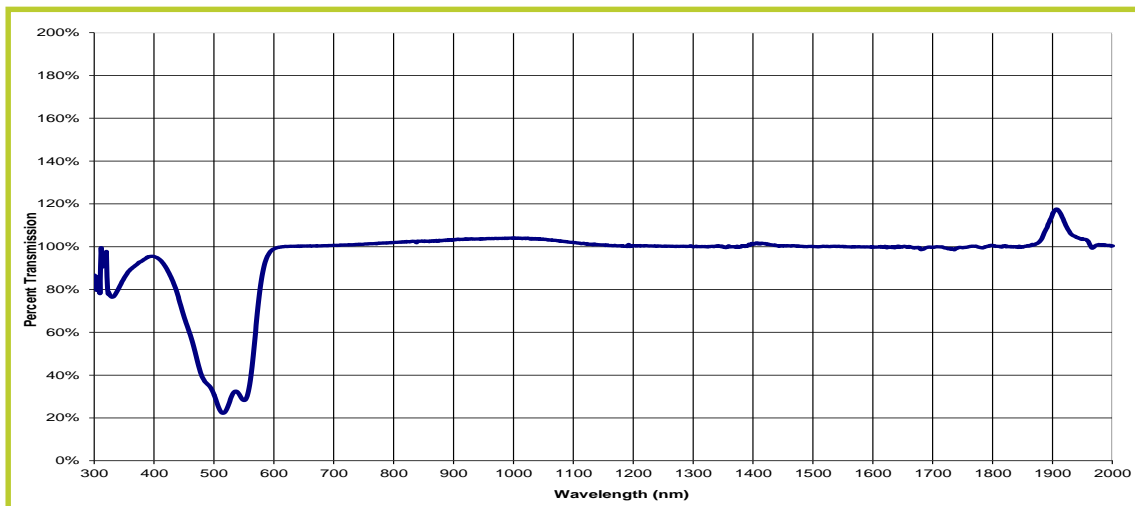
Properties

Appearance: **red free flowing powder**
Melting Point: **128°C – 130°C**
Lambda Max: **515 nm**
Absorptivity: **43 (L g⁻¹ cm⁻¹)**
Solubility (grams/100 grams of solvent):
Acetone, Methanol

Absorption Curve



Transmission Curve



Due to its' excellent balance of properties, **Dye 532** finds use in a broad range of applications where the absorption of Infrared light, and the transmission of Visible light is important:

Polycarbonate Infrared Filters – With good absorption around 532 nm, this dye is used to protect against the Doubled Nd:YAG laser. IR Dye 532 has excellent visible light transmission. This dye has sufficient thermal stability for molding into polycarbonate parts.

Acrylic Infrared Filters –With good solubility in PMMA, and good stability during the curing process, this is the dye of choice for protecting against the Doubled Nd:YAG laser in acrylic filters and windows.



Adam Gates & Company