

## Technical Data Sheet

Product Code: **NIR983A**

Product Description: 983 nm NIR Dye

### Compatible Solvents

(w/w)	
Acetone	> 5.0%
Cyclohexanone	> 5.0%
Ethanol	1.5%
Ethyl Acetate	3%
MEK	> 5.0%

### Product Properties

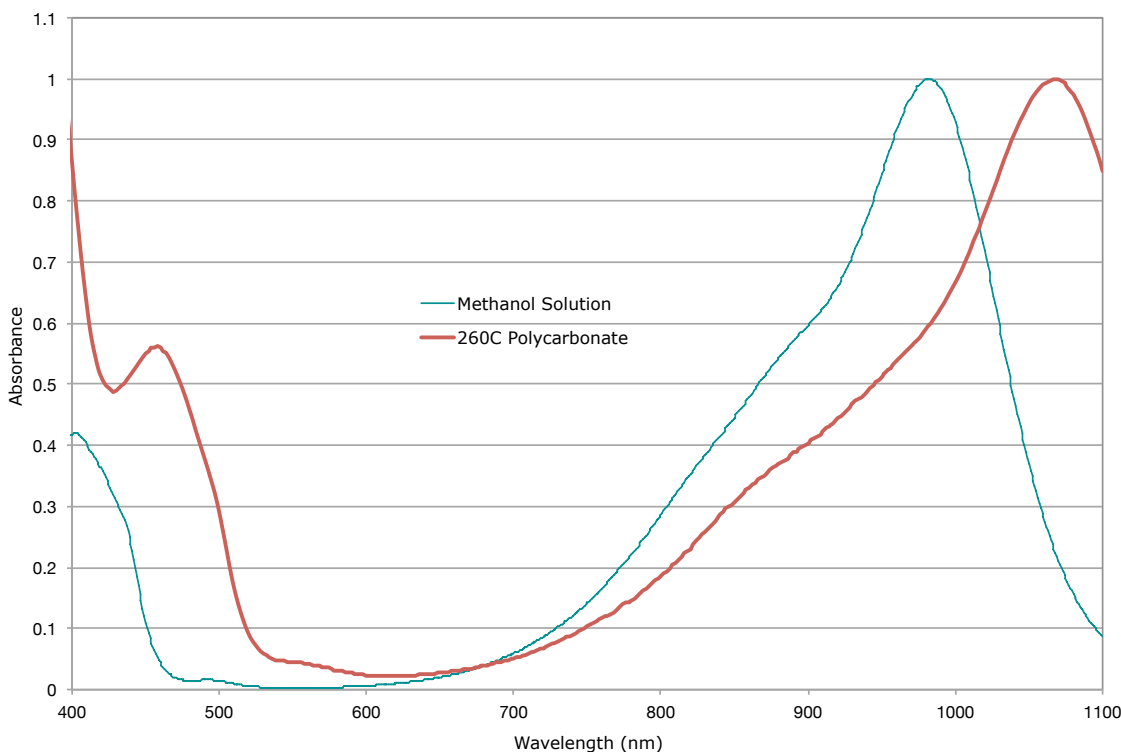
#### Physical Data

Absorbance Maximum (nm): 983 (Methanol), 1015 (Polycarbonate)

Absorptivity ( $L\ g^{-1}\ cm^{-1}$ ): 66

Melting Point ( $^{\circ}C$ ): 106, 290 Decomposition

Appearance: Green Powder, Green Yellow Solution



**NIR983A** is one of many Near Infrared (NIR) Dyes for solvent or thermal resin systems available through QCR Solutions Corp. We offer NIR dyes in a wide spectral range between 700nm - 2000nm for various applications. Our large library of absorbers contains narrow notch to broad band absorption curves. These NIR dyes can be used singly or in combination to create custom spectral filters.

Let us help select the right absorbing dye for your specific application.

#### QCR Solutions Corp

Your Trusted Source for Near Infrared (NIR) Dyes, Conjugated Polymers, Thermochromic Inks and Custom Synthesis.

### All Applications using any QCR Solutions Corp products should be thoroughly tested prior to approval for production.

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