

## Technical Data Sheet

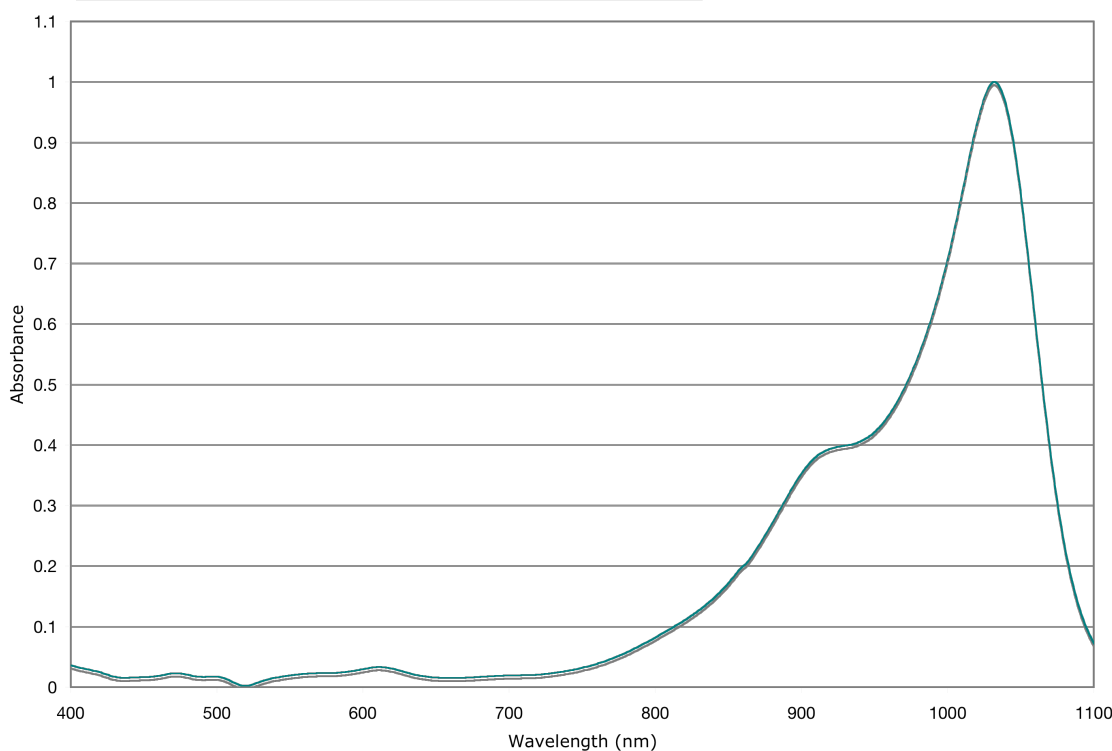
Product Code: **NIR1031M**

Product Description: 1031 nm NIR Dye

### Product Properties

#### Physical Data

Absorbance Maximum (nm):	1031 (Acetone)
Absorptivity ( $L\ g^{-1}\ cm^{-1}$ ):	210
Melting Point ( $^{\circ}C$ ):	270 - 272
Appearance:	Powder



### Compatible Solvents

(w/w)	
Acetone	5%
Benzene	0.1%
Cyclohexanone	1.5%
Ethanol	0.7%
MEK	> 5%

**NIR1031M** 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.

Information in this Technical Data Sheet is compiled from our general experience and data obtained from various technical publications. While we believe that the information provided herein is accurate at the date hereof, no responsibility for its completeness or accuracy can be assumed. Tests are carried out under controlled laboratory conditions. Information is given in good faith, but without commitment as conditions vary in every case. The information is provided solely for consideration, investigation and verification by the user. We do not except any liability for any loss, damage or injury resulting from its use (except as required by law). Please refer to the Material Safety Data Sheet before using products to ensure safe handling.