

# *Chem-Impex International, Inc.*

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## *Product Specifications*

<b>Catalogue Number</b>	42023
<b>Product</b>	<b>Nitrazine Yellow</b> 2-(2,4-Dinitrophenylazo)-1-hydroxynaphthalene-3,6-disulfonic acid 2-(2,4-Dinitrophenylazo)naphthol-3,6-disulfonic acid disodium salt
<b>CAS Number</b>	5423-07-4
<b>Molecular Formula</b>	C <sub>16</sub> H <sub>8</sub> N <sub>4</sub> Na <sub>2</sub> O <sub>11</sub> S <sub>2</sub>
<b>Molecular Weight</b>	542.36

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<b>Synonym 3</b>	Nitrazol Yellow
<b>Appearance</b>	Brown powder
<b>Solubility</b>	Soluble 1 mg/mL in water
<b>Infrared Spectrum</b>	Conforms to structure
<b>Dye content</b>	≥ 85%
<b>Purity by HPLC</b>	≥ 90%
<b>Grade</b>	suitable for Hematology & Histology
<b>Storage</b>	Store at RT
<b>Additional Information</b>	$\epsilon$ (extinction coefficient) = $\geq 35000$ (0.01 g/L, 0.1 M NaOH, $\lambda = 587-591$ nm), $\lambda_{\max} = 586$ nm

**For Laboratory Use Only**