

# Chem-Impex International, Inc.

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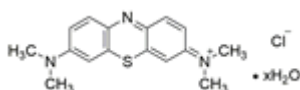
**Manufacturing site:**

825 Dillon Drive

Wood Dale, IL 60191

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## Product Specifications



<b>Catalogue Number</b>	38514
<b>Product</b>	<b>Methylene blue hydrate</b> 3,7-Bis(dimethylamino)-5-phenothiazinium chloride hydrate Basic blue 9 hydrate
<b>CAS Number</b>	122965-43-9
<b>Molecular Formula</b>	$C_{16}H_{18}ClN_3S \cdot xH_2O$
<b>Molecular Weight</b>	319.85

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<b>Appearance</b>	Green to dark green powder to crystal
<b>UV Ratios</b>	Absorbance ( $E^{1\%}_{1cm}$ ) : $\geq 2000$ (EtOH (50%)) $I_{max}$ : 660 - 665 nm (EtOH 50%)
<b>Loss on Drying</b>	$\leq 20\%$
<b><math>^1H</math> NMR</b>	Conforms to structure
<b>Gravimetric Assay</b>	$\geq 70\%$ (On dried basis)
<b>Grade</b>	CI 52015
<b>Storage</b>	Store at RT

**For Laboratory Use Only**