

# Chem-Impex International, Inc.

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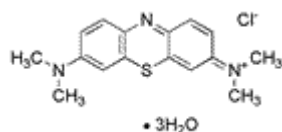
**Web site:** www.chemimpex.com

**Manufacturing site:**

825 Dillon Drive

Wood Dale, IL 60191

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## Product Specifications

**Catalogue Number** 00210

**Product**

**Methylene Blue Trihydrate**

3,7-Bis(Dimethylamino)phenazathionium chloride

Basic blue 9

**CAS Number** 7220-79-3

**Molecular Formula** C<sub>16</sub>H<sub>18</sub>N<sub>3</sub>ClS•3H<sub>2</sub>O

**Molecular Weight** 373.9

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**Appearance** Dark green or blue crystalline powder

**Heavy Metals** Not detected

**Loss on Drying** 8 - 24% (at 105 °C, 5h)

**Related Substances**  
Azure B : ≤ 2.5%  
Any unspecified impurity : ≤ 0.10%  
Total impurities : ≤ 0.5%

**Residue On Ignition** ≤ 0.15%

**Assay** 97 - 103% (On dry basis)

**Grade** Meets USP specification

**Storage** Store at RT

**Additional Information**  
Identification A : Infrared Spectroscopy : Conforms to structure  
Identification B : The retention time of the major peak of the sample solution corresponds to that of standard solution as obtained by in the Assay.  
Identification C : Test for Chloride : To pass test

**For Laboratory Use Only**