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825 Dillon Drive

Wood Dale, IL 60191

***Certificate of Analysis***

<b>Catalogue Number</b>	00210
<b>Lot Number</b>	000140-167-22-02
<b>Product</b>	<b>Methylene Blue Trihydrate</b> 3,7-Bis(Dimethylamino)phenazathionium chloride  Basic blue 9
<b>CAS Number</b>	7220-79-3
<b>Molecular Formula</b>	C <sub>16</sub> H <sub>18</sub> N <sub>3</sub> ClS•3H <sub>2</sub> O
<b>Molecular Weight</b>	373.9

<b>Appearance</b>	Dark green crystalline powder
<b>Solubility</b>	Clear blue solution
<b>Heavy Metals</b>	< 8 ppm
<b>Cation</b>	Copper (Cu) : < 200 ppm Zinc (Zn) : < 100 ppm Arsenic (As) : < 8 ppm
<b>UV Ratios</b>	Absorptivity 1%/1cm at max. 663 nm : 2265
<b>Loss on Drying</b>	15.2% (at 110 °C)
<b>Residual Solvents</b>	Nil
<b>Residue On Ignition</b>	0.5%
<b>Assay</b>	99% (On dry basis)
<b>Assay (as is)</b>	84.5%
<b>Grade</b>	Meets USP29 Specification
<b>Storage</b>	Store at RT
<b>Manufacturing Date</b>	Feb-01-2022

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**Remarks**

See material safety data sheet for additional information

For laboratory use only

**The foregoing is a copy of the Certificate of Analysis as provided by our supplier**



**Bala Kumar**  
**Quality Control Manager**