

# *Chem-Impex International, Inc.*

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825 Dillon Drive

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## *Certificate of Analysis*

<b>Catalogue Number</b>	22932
<b>Lot Number</b>	000331-37438
<b>Product</b>	<b>Thionin acetate salt Certified</b> 3,7-Diamino-5-phenothiazinium acetate CI 52000
<b>CAS Number</b>	78338-22-4
<b>Molecular Formula</b>	C <sub>12</sub> H <sub>9</sub> N <sub>3</sub> S · C <sub>2</sub> H <sub>4</sub> O <sub>2</sub>
<b>Molecular Weight</b>	287.34

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<b>Appearance</b>	Bluish black powder
<b>UV Ratios</b>	$\lambda_{\max}$ 602 nm in water Ratio 1.21 @ 587/617 nm Density @ peak 0.911 au
<b>Loss on Drying</b>	4.50%
<b>Dye content</b>	88%
<b>Application</b>	Satisfactory in the churukian Schenk method for demonstrating metachromatic properties in mast cell tumors, spinal cord nissyl, and cartilage.
<b>Storage</b>	Store at RT
<b>Remarks</b>	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**