



# Certificate of Analysis

## METHYLENE BLUE

<u>Catalog #</u> IB74050	<u>Size</u> 25 gm
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**Catalog Number:** IB74050

**Lot Number:** 17H0156

**Molecular Formula:**  $C_{16}H_{18}ClN_3S \cdot 3H_2O$

**Molecular Weight:** 373.9

**Appearance:** Iridescent green-black powder

<u>Assay</u>	<u>Min</u>	<u>Max</u>	<u>Actual</u>	<u>Units</u>	<u>Disposition</u>
Em (661nm, Water)	69000		92840		PASS
Residue on Ignition		1.0	0.6	%	PASS
Loss on Drying		15.0	10.8	%	PASS
Arsenic		<0.0008	<0.0002	%	PASS
Zinc		<0.001	<0.001	%	PASS
Copper		<0.01	<0.01	%	PASS
Lead		<0.001	<0.001	%	PASS
Dye Content (Dry Basis)	98	103	103	%	PASS
Identification	PASS		PASS	P/F	PASS
DNase		NONE	NONE		PASS
RNase		NONE	NONE		PASS
Protease		NONE	NONE		PASS

**Storage**

Store at room temperature. Protect from moisture.

*This signature indicates that the above material has met all quality specifications and has been reviewed by a quality representative.*

Signature: K. KUTSCH  
Date: 12/28/2017