

# Certificate of Analysis

Mitolab Ltd  
Unit 1, Bethel House  
Kilgetty  
SA68 0NP  
UK

info@mitolab.com

DESCRIPTION	Methylene Blue Trihydrate USP39 C.I 2015	
PRODUCT CODE(S)	MBT01	
BATCH NUMBER	127896	
EXPIRY DATE	04/2029	Manufactured Date: 09/04/2024

ANALYSIS	This certificate is valid for all unit/pack sizes of the product		
Properties	Specification	Results	
<b>Assay (dry basis)</b>	93.0 – 103.0%	99.98%	
<b>Identity:</b>	Conform to Standard	Conforms	
<b>Appearance</b>	Crystalline Powder, dark greenish, dark green or brown	Dark green crystalline powder	
<b>Loss on Drying</b>	8.0 - 18.0 %	13.74 %	
<b>Residue on ignition</b>	≤ 12.% wt	0.84%	
<b>Solubility</b>	Clear blue solution	Conforms	
<b>Chromatographic Purity</b>	To pass test	Passes Test	
<b>Arsenic (As)</b>	≤ 8 ppm	2.15 ppm	
<b>Copper (Cu)</b>	≤ 200ppm	< 55 ppm	
<b>Zinc (Zn)</b>	No turbidity is produced within 5 mins	Conforms	
<b>Residual solvents:</b>			
Methylene chloride		< 126 µg/g	
Chloroform		< 12 µg/g	
trichloroethylene		< 15 µg/g	
1,4-Dioxane		< 49 µg/g	

This is to certify that the above product is within the specification as set by the supplier of Mitolab Ltd.

Please see corresponding MSDS for handling information.

[https://mitolab.com/wp-content/uploads/2019/11/Methylene-Blue-hydrate\\_GB\\_sds.pdf](https://mitolab.com/wp-content/uploads/2019/11/Methylene-Blue-hydrate_GB_sds.pdf)

*J Finlay*

Mr J Finlay  
Managing Director