

Certificate of Analysis

DESCRIPTION	Methylene Blue Trihydrate USP39 C.I 2015	
PRODUCT CODE(S)	MBT01	
BATCH NUMBER	MBT0125/127896	
EXPIRY DATE	04/2029	Manufactured Date: 09/04/2024

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ANALYSIS	This certificate is valid for all volume variants of the product		
Properties	Specification	Results	* Results extrapolated to 1% aqueous solution
Assay (dry basis)	93.0 – 103.0%	99.98%	
Identity:	Conform to Standard	Conforms	
Appearance	Crystalline Powder, dark greenish, dark green or brown	Dark green crystalline powder	
Loss on Drying	8.0 - 18.0 %	13.74 %	
Residue on ignition	≤ 12.% wt	0.84%	
Solubility	Clear blue solution	Conforms	
Chromatographic Purity	To pass test	Passes Test	
Arsenic (As)	≤ 8 ppm	2.15 ppm	0.02 ppm
Copper (Cu)	≤ 200ppm	< 55 ppm	< 0.55ppm
Zinc (Zn)	No turbidity is produced <5 mins	Conforms	
Residual solvents:			
Methylene chloride		< 126 µg/g	< 1.26 µg/g
Chloroform		< 12 µg/g	< 0.12 µg/g
trichloroethylene		< 15 µg/g	< 0.15 µg/g
1,4-Dioxane		< 49 µg/gCTR	< 0.49 µg/g

* Extrapolation not part of original report

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

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