

neoFroxx GmbH

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www.neofroxx.com

Certificate of Analysis

Product	Methylene blue (C.I. 52015) pure USP (pharma grade)
Product number	LC-8718
Lot number	679A1FFD
Synonyms	Methylthioninium chloride
Formula	$C_{16}H_{18}ClN_3S \cdot H_2O$
Molecular weight	319.86 g/mol (anhydrous)
CAS number	122965-43-9
Storage	below 25°C
Manufacturing date	January 2025
Retest period (months)	60
Retest date	January 2030

We herewith confirm that this product meets the requirements of the US Pharmacopoeia (USP).

Parameter	Specification	Result
Assay	97 - 103 %	99 %
Identity	passes test	complies
Residue on ignition (Ash)	≤ 0.15 %	complies
Organic impurities		
Azure B	≤ 2.5 %	complies
unspecified impurities (each impurity)	≤ 0.1 %	complies
total impurities (excluding Azure B)	≤ 0.5 %	complies
Loss on drying (105°C, 5 h)	8 - 22 %	8.23 %
TAMC	≤ 100 cfu/g	complies
TYMC	≤ 10 cfu/g	complies

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	Einhausen, 13.02.2025	Quality control: M.F.

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For a greener laboratory



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