

neoFroxx GmbH

Marie-Curie-Str. 3
D-64683 Einhausen

Telefon +49 (6251) 989 24-0
info@neofroxx.com
www.neofroxx.com

Specification

Product	Methylene blue (C.I. 52015) pure USP (pharma grade) (revised)
Brand	Labochem

Product number	LC-8718 (revised)
Synonym(s)	Methylthionium chloride
Formula	$C_{16}H_{18}ClN_3S^* \times H_2O$
Molecular weight	319.86 g/mol (anhydrous)
CAS number	61-73-4
Storage	below 25°C
Retest period (months)	60 (revised)

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

Parameter	Specification
Assay (titr., dried substance)	96 - 101 % (revised)
A 1%, 1 cm, λ_{max} .(calc. a.d.s.)	> 2200
λ_{max} . in water	663 - 667 nm
Loss on drying (105°C)	8.0 - 15.0 %
As	max. 0.0008 %
Zn	passes test
Fe	max. 0.05 %
Pb	max. 0.002 %

Einhausen, 19.08.2021 (revised)