

**Azure B (C.I. 52010)****A6775**

Synonym	Azure I, Methyleneazure, N,N,N'-Trimethylthionin
Melting range	205 - 210°C (dec.)
Formula	C ₁₅ H ₁₆ ClN ₃ S
M	305.83 g/mol
CAS-No.:	531-55-5
HS-No.:	29343090
EC-No.:	208-511-2
Storage:	RT
S:	22-24/25
Specification	
Assay (TLC)	min. 85 %
λ_{max} (H₂O)	640 - 655 nm
Loss on drying	max. 5 %
Literature	<p>(1) Feder, N. & Wolf, M.K. (1965) <i>J. Cell Biol.</i> 27, 327-336 Metachromatic and Orthochromatic Staining by Toluidine blue of Nucleic Acids in Tissue Sections.</p> <p>(2) Ehrig, T. <i>et al.</i> (2001) <i>J. Mol. Diag.</i> 3, 22-25 Quantitative Amplification of Genomic DNA from Histological Tissue Sections after Staining with Nuclear Dyes and Laser Capture Microdissection.</p>
Comment	<p>Paraffin-embedded and frozen tissue sections were stained with different nuclear dyes. Nucleic acids isolated from these samples were amplified in PCR reactions. Staining of Paraffin-embedded and frozen section was carried out for 30 seconds in an aqueous 0.5 % Azure B solution (2).</p>