

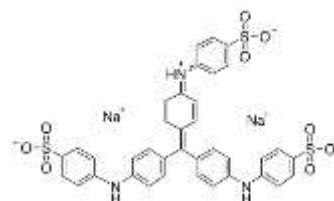


Product Specification

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METHYL BLUE FOR MICROSCOPY

PRODUCT CODE	305655
SYNONYMS	(Poirriers blue), (Acid blue 93), (Water blue)
C.I. NO.	42780
CASR NO.	(28983-56-4)
ATOMIC OR MOLECULAR FORMULA	$C_{37}H_{27}N_3Na_2O_9S_3$
ATOMIC OR MOLECULAR WEIGHT	799.80
PROPERTIES	Soluble in water.



PARAMETER	LIMIT
Description	Red to dark blue/dark blue to dark brown crystals or powder.
Solubility	Soluble in water.
Dye Content (Titanometry; on dried substance)	> 60.0%
Absorption maximum (in 0.005M HCl)	594 - 610 nm
Absorption Ratio (A λ_{max} - 15 nm) / (A λ_{max} + 15 nm)	0.96 – 1.09
Absorptivity (A1%/1 cm at λ_{max} . 0.005M HCl)	675 - 1125
Suitability for microscopy	To pass the test.

MAXIMUM LIMIT OF IMPURITY

Loss on drying (at 110°C)	7.0%
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Note(s) : Assay (if applicable) method mentioned.

WARNING

Hazard statements : Not hazardous. No hazards.

Precautionary statements

Prevention: -----

Response: ---

Disposal: -----

Hazard Pictogram(s) :

IMDG Code :

UN No. :

IATA :

Replace date 06-Dec-2025