

TECHNICAL DATA SHEET

Methylene Blue | CAS 61-73-4

1. Product Identification

Product Name	Methylene Blue
CAS Number	61-73-4
Synonyms	Basic Blue 9, CI 52015, Methylthioninium chloride, Swiss Blue
Category	Lab Reagent
Available Grades	LR Grade/Medicinal Grade
HSN Code	3204.13

2. Physical & Chemical Properties

Molecular Formula	C ₁₆ H ₁₈ ClN ₃ S
Molecular Weight	319.85
Appearance	Dark blue crystalline solid
Density	1.757 g/cm ³
Boiling Point	N/A
Melting Point	100-110°C (d)
Flash Point	None
Solubility	35-40mg/mL water

3. Applications

• Biological staining • Pharmaceutical (methemoglobinaemia) • Aquarium fish treatment • Redox indicator • Photocatalysis research

4. Industries Served

Research, Healthcare, Aquaculture

5. Packing & Supply

Standard industrial packing. Bulk and customised packing available on request. Export supply with full documentation (COA, MSDS, COO, Packing List).

Values are typical and given in good faith as a guide to product characteristics; they do not constitute a specification or guarantee. Refer to the batch COA for certified values.