

F-QC-001 Rev.00

Certificate Of Analysis

Product Name : Ethidium Bromide 98 % AR

Catalog Number : O-5085

Batch Number : 5085-00000000

CAS Number : 1239-45-8

Molecular Weight: 349.32 g/mol

Mol. Formula : $C_{21}H_{20}BrN_3$

Expire Date : 60 Months

SAMPLE

No	Test	Specifications	Results
1	Appearance	Dark red crystalline powder	Dark red crystalline powder
2	Assay [by $HClO_4$ titration; on anhydrous basis]	min 98.0 %	98.82%
3	Absorption maxima in methanol	524 - 527 nm	526.5 nm
4	Absorptivity (A 1%/1 cm; at λ max; in 50% methanol; on dried substances)	155 - 165	158
5	Loss on drying (at 130 °C; 4 hrs)	max 7 %	4.58%
6	Solubility (10 mg/ml in water)	Clear red to dark red solution	complies

Corresponds to AR / ACS Grade

Soluble in water, Chloroform and alcohol. Fluorometric determination of conformation changes of enzymes, membranes, desoxyribonucleic acid and ribonucleic acids. Decoupling agent for oxidative phosphorylation.

LABOTIQ Standard of Product Reference to Analar standard and ACS specificationSUDIRO S.Si.
Manager QC