

TIQ-F-QC-001 Rev.00

Certificate Of Analysis

Product Name : Lugol's Solution (Diluted Iodine-Potassium Iodide Solution) For Microscopy / Microbiology

Reagent

Catalog Number : L-1268

Batch Number : 1268-00000000

CAS Number : Not Applicable (mixture) Molecular Weight : Not Applicable (mixture)

Mol. Formula : $I_2 + KI$ in H_2O Expire Date : 24 months

No	Test	Specifications	Results
1	Appearance	Clear brown solution	Complies
2	Clarity	Free from visible particles	Clear
3	Identification (Iodine)	Positive	Positive
4	Identification (Iodide)	Positive	Positive
5	Assay (I_2) (Iodometric)	0.09 – 0.11 % w/v	0.1017 % w/v
6	pH (20 °C)	3.0 – 4.0	3.6
7	Density (20 °C)	approx. 1.0 g/cm ³	1.0 g/cm ³
8	Suitability for microscopy	Passes test	Passes
9	Gram-positive microorganisms	Blue to violet	Blue-violet
10	Gram-negative microorganisms	Pink to red	Pink to red

Corresponds to For Microscopy /Microbiology Reagent Grade

Intended use : Gram's Staining Mordant

LABOTIQ Standard of Product Reference to Specifications are established based on internal quality standards and recognized microbiological staining methodologies



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Manager QC