

F-QC-001 Rev.00

## Certificate Of Analysis

Product Name : Safranine (C.1.No.50240) For Microscopy

Catalog Number : L-1216

Batch Number : 1216 -00000000

CAS Number : 477-73-6

Molecular Weight : 350,84 g/mol

Mol. Formula :  $C_{20}H_{19}ClN_4$ 

Expire Date : Sep, 2029

SAMPLE

| No | Test                                           | Specifications                | Results                       |
|----|------------------------------------------------|-------------------------------|-------------------------------|
| 1  | Appearance                                     | Dark greenish coloured powder | Dark greenish coloured powder |
| 2  | Assay (Dye content)                            | min 85.0 %                    | 90.36%                        |
| 3  | Absorption maxima (50% ethanol)                | 530 - 534 nm                  | 532 nm                        |
| 4  | Absorptivity ( A 1%/1cm ; at $\lambda_{max}$ ) | min 875                       | 1493.5                        |
| 5  | Absorbance ratio (A max +/- 15 nm)             | 1.10 - 1.32                   | 1.18                          |
| 6  | Loss on drying (at 110 °C)                     | max 15.0 %                    | 3.86%                         |
| 7  | Suitability for microscopy                     | passes test                   | Passes test                   |

Corresponds to For Microscopy Grade

Used as a counter stain in some staining protocols, coloring all cell nuclei red.

**LABOTIQ** Standard of Product Reference to Analar standard and ACS specification

SUDIRO S.Si.  
Manager QC