

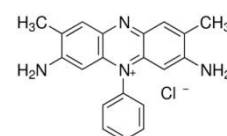


# Product Specification

cdhfinechemical.com

## SAFRANINE O FOR MICROSCOPY

<b>PRODUCT CODE</b>	<b>319375</b>
<b>SYNONYMS</b>	--
<b>C.I. NO.</b>	<b>50240</b>
<b>CASR NO.</b>	<b>(477-73-6)</b>
<b>ATOMIC OR MOLECULAR FORMULA</b>	<b>C<sub>20</sub>H<sub>19</sub>ClN<sub>4</sub></b>
<b>ATOMIC OR MOLECULAR WEIGHT</b>	<b>350.85</b>



**PROPERTIES** Soluble in water and methyl cellosolve; less soluble in ethanol, ethylene glycol and pyridine.

### PARAMETER LIMIT

Description	A Green to black /dark reddish brown powder.
Solubility	0.1% Solution in water is clear and dark red to very dark red.
Dye Content (Spectrophotometry; on dried substance)	About 90.0%
Absorption maxima (in 50% ethanol)	525 - 535 nm
Absorption ratio (A λ max - 15 nm) / (A λ max + 15 nm)	1.10 - 1.32
Absorptivity (A1% / 1 cm at λ max, in 50% ethanol)	1120 - 1450
Suitability for microscopy	To pass the test.

### MAXIMUM LIMIT OF IMPURITY

Loss on drying (at 110°C)	10.0%
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**Note(s) : Assay (if applicable) method mentioned.**

#### WARNING

**Hazard statements :** Not hazardous. No hazards.

**Precautionary statements**

**Prevention: -----**

**Response: ---**

**Disposal:** The chemical should be mixed combustible solvent and burnt in a chemical incinerator equipped with burner and scrubber.

**Hazard Pictogram(s) :---**

IMDG Code :  
UN No. :  
IATA :

Replace Date 30-May-2023