



## Specification

### Acriflavine Neutral

**Catalog Number:** AN1005  
**CAS Number:** 8048-52-0  
**Synonyms:** Acriflavine Base; Euflavine; 3,6-Diamino-10- methylacridinium chloride  
**Molecular Formula:** C<sub>14</sub>H<sub>14</sub>ClN<sub>3</sub>  
**Molecular Weight:** 259.7  
**Storage:** 15°C – 30°C

Test	Specification
Appearance	Orange to Red-Brown powder
Identification	To match reference spectra
Solubility (at 50 mg/ml in water)	Clear Orange solution
Water-insoluble matter	≤ 0.5%
UV-VIS Spectrum, C=0.004 G/L in Methanol	E(462 + / - 3nm) = 48,000 (minimum) E(262 + / - 3nm) = 50,000 (minimum)
Sulfated Ash	≤ 3.5%
Arsenic (As)	≤ 10ppm
Loss on drying @105 Deg. C/1 hour	≤ 8.0%
Assay for Chlorine content dried at 105°C for 2 hrs	13.3% to 15.8%

Approved:

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