

# ***Chem-Impex International, Inc.***

---

**Tel:** (630) 766-2112

**E-mail:** sales@chemimpex.com

**Shipping and Correspondence:**

935 Dillon Drive

Wood Dale, IL 60191

**Fax:** (630) 766-2218

**Web site:** www.chemimpex.com

**Manufacturing site:**

825 Dillon Drive

Wood Dale, IL 60191

---

## ***Certificate of Analysis***

<b>Catalogue Number</b>	22884
<b>Lot Number</b>	002121-2208
<b>Product</b>	<b>Acridine Yellow G</b> 3,6-Diamino-2,7-dimethylacridine monohydrochloride
<b>CAS Number</b>	135-49-9
<b>Molecular Formula</b>	C <sub>15</sub> H <sub>15</sub> N <sub>3</sub> ·HCl
<b>Molecular Weight</b>	273.77

---

<b>Appearance</b>	Brown powder
<b>Solubility</b>	Clear yellow solution with fluorescence in water
<b>Water Content (Karl Fisher)</b>	2.8%
<b>Infrared Spectrum</b>	Conforms to structure
<b>UV Ratios</b>	$\lambda_{\max}$ in water at 443 nm : 0.558 (Conc.5.0 mg/L)
<b>Extinction Co-Efficient</b>	In Water E 443 nm Standard : 30551
<b>Dye content</b>	91.94% (Spectrophotometry)
<b>Storage</b>	Store at RT
<b>Remarks</b>	See material safety data sheet for additional information For laboratory use only

**The foregoing is a copy of the Certificate of Analysis as provided by our supplier**



**Bala Kumar**  
**Quality Control Manager**