

# Chem-Impex International, Inc.

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## Certificate of Analysis

<b>Catalogue Number</b>	21864
<b>Lot Number</b>	001899-003
<b>Product</b>	<b>Luminol</b> 3-Aminophthalhydrazide 5-Amino-1,2,3,4-tetrahydro-1,4-phthalazinedione
<b>CAS Number</b>	521-31-3
<b>Molecular Formula</b>	C <sub>8</sub> H <sub>7</sub> N <sub>3</sub> O <sub>2</sub>
<b>Molecular Weight</b>	177.16

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<b>Appearance</b>	Lemon yellow powder
<b>Solubility</b>	Clear solution (1g in 100 mL NaOH)
<b>Melting Point</b>	318-319 °C
<b>Water Content (Karl Fisher)</b>	0.56%
<b>Sulfated Ash</b>	0.6%
<b>Purity</b>	99.30%
<b>Storage</b>	Store at 0-8 °C
<b>Additional Information</b>	Luminol chemiluminescence Test: Blue glow produced
<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