



# Product Specification

cdhfinechemical.com

## LUMINOL FOR CHEMILUMINESCENCE

<b>PRODUCT CODE</b>	<b>138485</b>	
<b>SYNONYMS</b>	<b>3-Aminophthalhydrazide, 5-Amino-2,3-dihydro-1,4-phthalazinedione,3-Aminophthydrazine</b>	
<b>C.I. NO.</b>	--	
<b>CASR NO.</b>	(521-31-3)	
<b>ATOMIC OR MOLECULAR FORMULA</b>	<b>C<sub>8</sub>H<sub>7</sub>N<sub>3</sub>O<sub>2</sub></b>	
<b>AVERAGE OR MOLECULAR WEIGHT</b>	<b>177.16</b>	
<b>PROPERTIES</b>	--	

<b>PARAMETER</b>	<b>LIMIT</b>
Description	White to yellow to beige to brown powder/chunks
Solubility	2% solution in 1 N NaOH is clear colouration develops from colourless to yellowish to gray to light blue.
Minimum assay(HPLC)	97.0%
Melting range	318-321 °C
Absorbance $\lambda_{max.1}$ (0.1M NaOH)	344-350 nm
$\lambda_{max.2}$ (0.1M NaOH)	297-303 nm
Absorption ratio(340 nm/347 nm)	0.888-0.910

<b>MAXIMUM LIMIT OF IMPURITIES</b>	
Moisture content	0.5 %
Sulphated ash	2.0 %

**Note(s):** Assay (if applicable) method mentioned.

<b>WARNING</b>	IMDG Code : --
<b>Hazard statements:</b> Not hazardous. No hazards.	UN No. : --
<b>Precautionary statements</b>	IATA : --
<b>Prevention:</b> -----	
<b>Response:</b> -----	
<b>Disposal:</b> -----	

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

Replace Date 02/07/2020