



Product Specification

LUMINOL FOR CHEMILUMINESCENCE

PRODUCT CODE	R09453
SYNONYMS	3-Aminophthalhydrazide, 5-amino-2,3-dihydro-1,4-phthalazinedione, 3-Aminophthydrazine
C.I. NO.	--
CASR NO.	(521-31-3)
ATOMIC MOLECULAR FORMULA	C₈H₇N₃O₂
AVERAGE MOLECULAR WEIGHT	177.16
PROPERTIES	--



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

MAXIMUM LIMIT OF IMPURITIES

Moisture content	0.5%
Sulphate dash	2.0%

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

<p>WARNING Hazard statements: May cause respiratory irritation. Causes skin irritation. Causes serious eye irritation. Precautionary statements Prevention: Avoid breathing dust/fume/gas/mist/vapours/spray. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. Response: IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a POISON CENTER or doctor/physician if you feel unwell. If eye irritation persists: Get medical advice/attention.</p>	<p>IMDG Code: UN No. : IATA :</p>
<p>Disposal: Dissolve the chemical to be disposed, in water and allow it to run to waste, diluting with large quantities of water. The quantities greater than 10g should be dissolved in water and transferred to heavy metal waste drums for collection by specialist disposal company.</p>	

Hazard Pictogram(s): 

Replace Date 1 April 2023