



Specification

14.01.2022

Code No.: SS00040

CLP No.: MF925007-46

CAS No.: 521-31-3

EINECS No.: 208-309-4

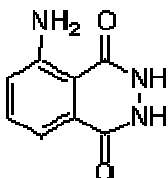
Chemical Name:

Luminol

Synonyms:

5-Amino-2,3-dihydro-1,4-phthalazindion

3-Aminophthalhydrazide

Structure:

Molecular Formula:

C₈H₇N₃O₂

Molecular Weight:

177.16

Product Properties:

Assay

≥ 98 %

Appearance

white fine crystalline powder - beige, lemon yellow or grey shade is admitted

Heavy metals (Pb)

≤ 0.001 %

Melting point

330 - 335 °C

Water (KF)

≤ 0.5 %

Calcination residue (sulphates)

≤ 0.2 %

Chlorides

≤ 0.1 %

Solubility (0.1g in 100ml

0.1N NaOH)

complete

Chromatographic similarity

Rf 0.15-0.2 with blue luminescence absence of spot with green luminescence

Storage

Cool, dry, tightly closed, protect from light

Application

reagent for the generation of chemiluminescence