

Certificate of Analysis

Date of Testing: 2024-01-22 11:12:11

Date of Next Testing: 2026-01-21 11:12:11

Product Name: **Gramine**

CAS Number: 87-52-5

Specifications & Purity: 98%

Lot #: A2411572

SKU #: **G107688**

Analysis: **309096**

Storage Temperature: Protected from light, Argon charged

Parameter	Limit Values	Result
Purity(Nonaqueous Titration)	98.5-101.5 (%)	100.00 %
Melting point	131-134 (°C)	132.90000 °C
Purity(HPLC)	98-100 (%)	98.00600 %
Carbon by Elemental Analysis	74.7-77 (%)	74.74 %
Nitrogen by Elemental Analysis	15.8-16.3 (%)	15.81 %
Solubility in MeOH	almost transparency	almost transparency
Appearance (G107688)	White to off-white powder, needles and/or Chunks	White to off-white to Light yellow to Light orange powder to crystal, needles and/or Chunks
Infrared spectrum	Conforms to Structure	Conforms to Structure



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QA & QC Manager