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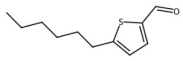
CIN U46909GJ2025PTC164345

**CERTIFICATE OF ANALYSIS** Standard product specification

# 5-Hexylthiophene-2-Carboxaldehyde

CAS 100943-46-2 · C11H16OS · Fine chemical grade — assay on specification



STRUCTURAL FORMULA

## 1. PRODUCT IDENTITY

| | |
|---|---|
| Product name | 5-Hexylthiophene-2-Carboxaldehyde |
| C.A.S. number | 100943-46-2 |
| Molecular formula | C11H16OS |
| Molecular weight | 196.31 g/mol |
| Grade / standard | Fine chemical grade — assay on specification |
| Description | Appearance as per specification |
| Product group | Research Chemicals |
| Category | Fine & Research Chemicals |
| Country of origin | India |
| Packing | Bags, drums, carboys, IBC or ISO tank as applicable — customer-specified packing available |
| Storage | Cool, dry, well-ventilated place in tightly closed original packing |

## 2. ANALYTICAL SPECIFICATION

| S. NO. | TEST PARAMETER | SPECIFICATION | TYPICAL RESULT | METHOD |
|---|---|---|---|---|
| 1 | Description | Appearance as per specification | Complies | Visual |
| 2 | Identification | Conforms to the structure of the substance | Complies | FTIR / Chemical test |
| 3 | Solubility | As per specification | Complies | Visual / Monograph |
| 4 | Loss on Drying | Not more than 1.0 % w/w | 0.53 | Gravimetry |
| 5 | Residue on Ignition | Not more than 0.5 % w/w | 0.110 | Gravimetry |

| | | | | |
|---|---|---|---|---|
| 6 | Heavy Metals (as Pb) | Not more than 20 ppm | Less than 10 ppm | ICP-OES |

## 3. DECLARATION

This document sets out the standard specification for 5-Hexylthiophene-2-Carboxaldehyde and applies to all consignments of this product and grade supplied by Scapex Exports Pvt. Ltd. It is not a lot-specific release document; a lot-specific certificate carrying the analysis of the material actually shipped is issued with, and travels with, each consignment. Scapex Exports supplies against customer-specified assay limits and pharmacopoeial standards — send your specification sheet and we confirm compliance in writing before the order is accepted.

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