

Certificate of Analysis

Date of Testing: 2024-06-28 17:03:58

Date of Next Testing: 2026-06-28 17:03:58

Product Name: **Ibuprofen**

CAS Number: 15687-27-1

Specifications & Purity: $\geq 98\%$ (GC)

Lot #: F2421560

SKU #: **I129291**

Version: **1**

Analysis #: **365531**

| Parameter | Limit Values | Result |
|---|--|--|
| Purity(Neutralization titration) | 97.5-102.5 (%) | 97.66 % |
| Purity(GC) | 98-100 (%) | 99.67 % |
| Melting point | 75-78 (°C) | 77.37000 °C |
| Appearance (I129291) | White to Light Yellow Flakes, Crystals or Powder | White to Light Yellow Flakes, Crystals or Powder |
| Solubility,colorless or yellow, clear(50mg/ml, ethanol) | pass | Pass |
| Proton NMR spectrum | Conforms to Structure | Conforms to Structure |



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QA & QC Manager