

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-11-14 14:15:06

Date of Next Testing: 2026-11-14 14:15:06

Product Name: **Ibuprofen**

CAS Number: 15687-27-1

Specifications & Purity: Moligand™, ≥98%(GC)

Lot #: K2408574

SKU #: **I129291**

Version: **1**

Analysis #: **393294**

Storage Temperature: Room temperature

| Parameter                                               | Limit Values                                     | Result                                           |
|---------------------------------------------------------|--------------------------------------------------|--------------------------------------------------|
| Purity(Neutralization titration)                        | 97.5-102.5 (%)                                   | 100.52000 %                                      |
| Purity(GC)                                              | 98-100 (%)                                       | 99.36900 %                                       |
| Melting point                                           | 75-78 (°C)                                       | 77.26000 °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