## **Certificate of Analysis**

## **Ibuprofen** (sodium)

 Cat. No.:
 HY-78131C

 CAS No.:
 31121-93-4

 Batch No.:
 340527

Chemical Name: Benzeneacetic acid, α-methyl-4-(2-methylpropyl)-, sodium salt (1:1)

## PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula:  $C_{13}H_{17}NaO_2$  Molecular Weight: 228.26

**Storage:** 4°C, sealed storage, away from moisture

\* In solvent: -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)

**Chemical Structure:** 

ONa

## **ANALYTICAL DATA**

Appearance: White to off-white (Solid)

<sup>1</sup> H NMR Spectrum: Consistent with structure

LCMS: Consistent with structure

Purity (LCMS): 99.98%

**Conclusion:** The product has been tested and complies with the given specifications.

Caution: Product has not been fully validated for medical applications. For research use only.

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