Certificate of Analysis

Ibuprofen

 Cat. No.:
 HY-78131

 CAS No.:
 15687-27-1

 Batch No.:
 245324

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

PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula: $C_{13}H_{18}O_2$ Molecular Weight: 206.28

Storage: Powder -20°C 3 years

4°C 2 years

In solvent -80°C 6 months

-20°C 1 month

Chemical Structure:

ANALYTICAL DATA

Appearance: White to off-white (Solid)

¹ H NMR Spectrum: Consistent with structure

 Purity (HPLC):
 99.95%

 Water(KF):
 0.09%

 Residue on Ignition:
 0.03%

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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