



CERTIFICATE OF ANALYSIS

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1. Identification

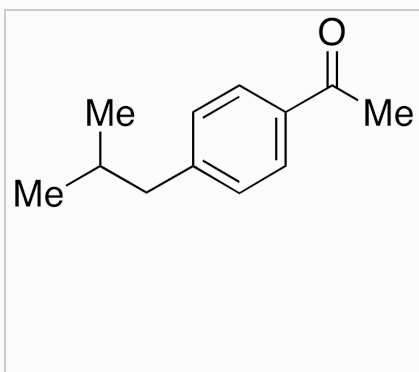
Catalogue Number: I780065

CAS Number: 38861-78-8

Product: 4'-Isobutylacetophenone

Synonym: 1-[4-(2-Methylpropyl)phenyl]ethanone; 1-Acetyl-4-isobutylbenzene; 1-[4-(2-Methylpropyl)phenyl]-1-ethanone; 1-[4-(2-Methylpropyl)phenyl]ethanone; 4-(2-Methylpropyl)acetophenone; NSC 173015; p-Acetylisobutylbenzene; p-Isobutylacetophenone; p-Isobutylphenyl Methyl Ketone; 4-IBAP; USP Ibuprofen Related Compound C; Ibuprofen EP Impurity E

Structure:



Molecular Formula:

C₁₂H₁₆O

Molecular weight:

176.26

Source of Product:

N/A

Solubility:

Chloroform (Slightly),
Methanol (Slightly)

Lot Number: 1-NJL-36-1

Purity: 98%

Shipping Condition: This Product Is Stable To Be Shipped At Room Temperature

Storage Condition: 4°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	Colourless to Light Yellow Oil	Clear Colourless Oil
NMR	Conforms to Structure	Conforms
MS	Conforms to Structure	Conforms
HPLC Purity	Report Result	99.30% (255 nm)

Additional Information: N/A

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of $\pm 2\%$. Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

4. Signatures

Reviewed By	Reviewed By	C of A Approved By	Test Date	Retest Date
Henry Tieu	Toni Rantanen	Chanell Chu	10/13/2021	10/11/2025