

Certificate of Analysis

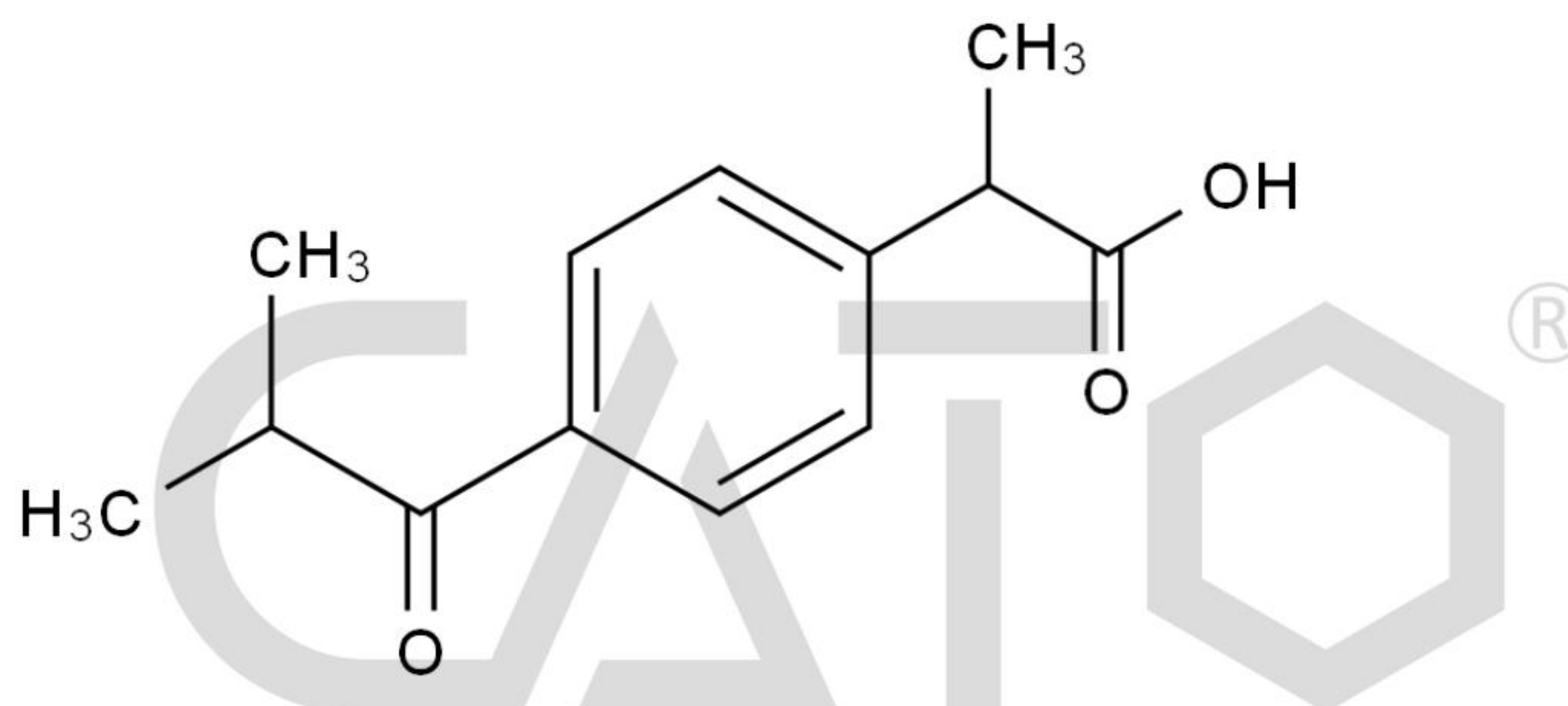
Reference Material & Standard

Product Name:	Ibuprofen EP Impurity J	Catalogue Number:	C4X-108210
Synonyms:	Ibuprofen USP RC J	Lot Number:	0909-RG-0014
CAS Number:	65813-55-0	Expiry Date:	Sep 11, 2029
Molecular Formula:	C ₁₃ H ₁₆ O ₃	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	220.26	Shipping Condition:	Shipping at Room Temperature

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&IR&UV&CNMR&HNMR	Confirmed
Purity	HPLC	100.000%
Residue on Ignition	TGA	0.4022%
Loss on Drying	TGA	0.1759%
Assay		99.4%

Comment:

The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

Assay (%) = (100% - Residue on Ignition - Loss on Drying) * Purity HPLC (%) / 100%

Residue on Ignition and Loss on Drying are considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Koi

Reviewed by:

Lisa

Approved by General Manager:

David

Date: May 12, 2026

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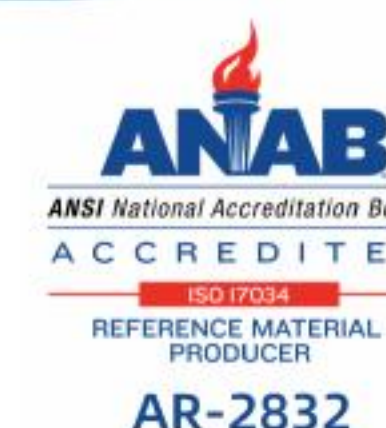
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