



Spezifikation

Produktbezug:	
Produktnummer	15687271NPB
Handelsname / Bezeichnung	Ibuprofen BP
CAS Nummer	15687-27-1
Andere Bezeichnungen / Synonyme	•()-2-(4-Isobutylphenyl)Propanoic Acid; •()-Ibuprofen; •2-(4-Isobutylphenyl)-propionic acid; •2-(4-Isobutylphenyl)propanoic Acid; •2-(4-Isobutylphenyl)propanoic acid; •2-(4-Isobutylphenyl)propionic Acid; •2-(4-isobutylphenyl)propanoic acid; •2-[4-(2-methylpropyl)phenyl]propanoic acid; •4-Isobutyl-alpha-methylphenylacetic acid; •IBUPROFEN;
EG Nummer	239-784-6
Zolltarifnummer / CN-Code	29163990
Molekulargewicht [g/mol]	206.28082
Formel	C ₁₃ H ₁₈ O ₂

Parameter	Spezifikation	Einheit
Sensorische Prüfung		
Aussehen der Lösung	klar und farblos	
Aussehen	Weißes oder fast weißes kristallines Pulver oder farblose Kristalle	
Physikalische Parameter		
Trocknungsverlust	≤ 0,5	%
Spezifische optische Drehung	0,05 – 0,05	°
Schüttdichte	Gewindet 0,45 – 0,70	g/ml
Schüttdichte	ungenutzt 0,30 – 0,30	g/ml
Identifikation		
Gehalt	98,5 – 101,0	%
Schmelzpunkt (Identität)	75 – 78	°C
Verunreinigungen		
Sulphatasche	≤ 0,1	%
Verwandte Substanzen	Impurity A: ≤ 0,15	% [w/w]
Verwandte Substanzen	Impurity F: (By GC) ≤ 0,1	% [w/w]
Verwandte Substanzen	Impurity J: ≤ 0,15	% [w/w]
Verwandte Substanzen	Impurity N: ≤ 0,15	% [w/w]
Verwandte Substanzen	Total impurities ≤ 0,2	% [w/w]
Verwandte Substanzen	Unspecified impurities ≤ 0,5	% [w/w]
Restlösemittel		
Restlösemittel	Aceton ≤ 100	ppm
Restlösemittel	Benzol ≤ 100	ppm
Restlösemittel	hexan ≤ 100	ppm
Restlösemittel	Isopropylalcohol ≤ 80	ppm
Restlösemittel	Trichlorethylen ≤ 100	ppm

Anmerkung:

A * Verunreinigung - F ist für den verwendeten Herstellungsprozess irrelevant und wird in der Routineanalyse weggelassen

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 28. May. 2020

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