

Chem-Impex International, Inc.

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825 Dillon Drive

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Certificate of Analysis

Catalogue Number	37950
Lot Number	002197-210305
Product	Ibuprofen 2-(4-Isobutylphenyl)propionic acid
CAS Number	15687-27-1
Molecular Formula	C ₁₃ H ₁₈ O ₂
Molecular Weight	206.29
Appearance	White crystalline powder
Solubility	Clear and colorless solution
Melting Point	75.5 - 76.4 °C
Bulk density	0.29 g/ml
Density	0.50 g/ml (Tapped)
Heavy Metals	< 10 ppm
Optical Rotation	[α] _D ²⁰ = 0 °
Loss on Drying	0.16%
Residual Solvents	Petroleum ether : 52 ppm Methanol : Not detected Toluene : Not detected
Particle Size	44.6 μm (Median)
Related Substances	Impurity A : 0.03% Impurity B, D, N, J : Not detected Any unknown impurity : 0.02% Total impurities : 0.09% 2-(4-propylphenyl)propanoic acid : 0.01%
Sulfated Ash	0.01%
Assay	100% (On dry basis)
Storage	Store at RT

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Remarks

See material safety data sheet for additional information

For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier

A handwritten signature in black ink, appearing to read 'Bala Kumar', with a stylized flourish at the end.

Bala Kumar
Quality Control Manager