

**PRODUCTO: IBUPROFENO**

| ITEMS   | SPECIFICATIONS   |
|---|--|
| <b>CHARACTERISTICS</b>  | White crystalline powder   |
| <b>SOLUBILITY</b>   | Practically insoluble in water, very soluble in alcohol, in methanol, in acetone, and in chloroform; slightly soluble in ethyl acetate   |
| <b>IDENTIFICATION</b><br>A) IR<br><br>B) UV<br><br>C) HPLC  | Sample IR spectrum corresponds to that of standard<br><br>Sample UV spectrum does not differ from that of the standard by more than 3.0%<br><br>Retention time corresponds to that of the standard |
| <b>WATER CONTENT</b>  | NMT 1.0%   |
| <b>HEAVY METALS</b>   | NMT 0.002%   |
| <b>RESIDUAL ON IGNITION</b>   | NMT 0.5%   |
| <b>CHROMATOGRAPHIC PURITY</b><br>➤ 2-[3-(2-methylpropyl)phenyl]propanoic acid<br>➤ 2-(4-methylphenyl)propanoic acid<br>➤ 2-(4-ethylphenyl)propanoic acid<br>➤ 2-(4-propylphenyl)propanoic acid<br>➤ 2-(4-butylphenyl)propanoic acid<br>➤ Any unknown impurity<br>➤ Total impurities | NMT 0.15%<br>NMT 0.15%<br>NMT 0.15%<br>NMT 0.15%<br>NMT 0.1%<br>NMT 0.05%<br>NMT 0.6%  |

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| <b>IBUPROFEN RELATED COMPOUND C<br/>(4-Isobutylacetophenone)</b>   | NMT 0.1%   |
| <b>ASSAY (dry basis)</b>   | 97.0%~103.0%                                     |
| <b>RESIDUAL SOLVENTS (Petroleum ether)</b>   | NMT 250 ppm                                      |
| <b>AEROBIC MICROORGANISMS</b>  | NMT 30 cfu/g                                     |
| <b>MOLDS AND YEASTS</b>  | NMT 10 cfu/g                                     |
| <b>PATHOGENS</b>   | Absence  |
| <b>ADDITIONAL TESTS</b><br>➤ <b>Bulk density</b><br>➤ <b>Tapped density</b><br>➤ <b>Median particle size</b> | 0.20~0.50g/ml<br>0.40~0.70g/ml<br>Less than 50um |