

# *Chem-Impex International, Inc.*

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## *Product Specifications*

|                                    |  |
|------------------------------------|--|
| <b>Catalogue Number</b>            | 35338  |
| <b>Product</b>                     | <b>Irinotecan hydrochloride anhydrous,<br/>Topoisomerase I Inhibitor</b>   |
|                                    | CPT-11   |
| <b>CAS Number</b>                  | 100286-90-6  |
| <b>Molecular Formula</b>           | C <sub>33</sub> H <sub>38</sub> N <sub>4</sub> O <sub>6</sub> •HCl   |
| <b>Molecular Weight</b>            | 623.14   |
| <b>Appearance</b>                  | Off-white to light yellow crystalline powder   |
| <b>Heavy Metals</b>                | To pass test   |
| <b>Water Content (Karl Fisher)</b> | ≤ 1%   |
| <b>Mould and Yeast</b>             | ≤ 100 cfu/g  |
| <b>Infrared Spectrum</b>           | Conforms to structure  |
| <b>Residual Solvents</b>           | Ethanol : ≤ 5000 ppm<br>Dichloromethane : ≤ 600 ppm<br>Acetone : ≤ 5000 ppm  |
| <b>Microbial Count</b>             | ≤ 1000 cfu/g (TAMC)  |
| <b>Related Substances</b>          | Limit of Irinotecan Hydrochloride Enantiomer : ≤ 0.15%<br>Any unspecified impurity : ≤ 0.10%<br>Total impurities : ≤ 0.5%  |
| <b>Residue On Ignition</b>         | ≤ 0.1%   |
| <b>Purity by HPLC</b>              | 98 - 102%  |
| <b>Storage</b>                     | Store at 2 - 8 °C  |
| <b>Additional Information</b>      | 7-Desethyl irinotecan, Irinotecan : ≤ 0.15%<br>Irinotecan related compound A, 11-Ethyl irinotecan : ≤ 0.15%<br>Camptothecin, Irinotecan related compound B : ≤ 0.15%<br>7-Ethylcamptothecin : ≤ 0.15%<br>7,11-Diethyl-10-hydroxycamptothecin : ≤ 0.10% |

**For Laboratory Use Only**