

# Specification

## Technical Data Sheet

<b>Product Name</b>	Cephalexin hydrate
<b>Product No</b>	21740976
<b>CAS Number</b>	15686-71-2
<b>Storage Temperature</b>	2 to 8 °C
<b>Molecular Weight</b>	347.39

### Specification

<b>Appearance</b>	A white or almost white crystalline powder
<b>Identification</b>	Conforms to reference
<b>Impurity B</b>	≤1.0%
<b>pH</b>	4.0 - 5.5
<b>Water</b>	4 - 8%
<b>Assay</b>	95.0% to 103.0%
<b>N,N-dimethylaniline</b>	≤20ppm

## Specification

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<b>Solubility</b>	Sparingly soluble in water, practically insoluble in ethanol (96%)
<b>Specific optical rotation</b>	149 - 158
<b>Sulfated ash</b>	$\leq 0.2\%$
<b>Total Impurities</b>	$\leq 3.0\%$
<b>Any other impurity</b>	$\leq 1.0\%$

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