

# Chem-Impex International, Inc.

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825 Dillon Drive

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## Certificate of Analysis

<b>Catalogue Number</b>	38383
<b>Lot Number</b>	002948-4001-20230503
<b>Product</b>	<b>Cefaclor monohydrate</b>
<b>CAS Number</b>	70356-03-5
<b>Molecular Formula</b>	C <sub>15</sub> H <sub>14</sub> ClN <sub>3</sub> O <sub>4</sub> S•H <sub>2</sub> O
<b>Molecular Weight</b>	385.82

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<b>Appearance</b>	Slightly yellow powder
<b>Solubility</b>	Slightly soluble in water, practically insoluble in methanol and in methylene chloride.
<b>Water Content (Karl Fisher)</b>	4.7%
<b>pH</b>	4.1
<b>Mould and Yeast</b>	< 10 cfu/g
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>20</sup> = 101 ° (Anhydrous substance)
<b>Infrared Spectrum</b>	Conforms to structure
<b>Residual Solvents</b>	Methanol, Methylene chloride : Not detected Acetone : 0.005% DMF : 0.025%
<b>E. Coli</b>	Not detected
<b>Microbial Count</b>	< 10 cfu/g (TAB)
<b>Related Substances</b>	Any impurity : 0.05% Total impurities : 0.27%
<b>Assay (anhydrous basis)</b>	99.8%
<b>Storage</b>	Store at 0 - 8 °C

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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**



**Bala Kumar**  
**Quality Control Manager**