

# Chem-Impex International, Inc.

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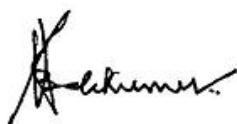
## Certificate of Analysis

<b>Catalogue Number</b>	15109
<b>Lot Number</b>	001328-20140825
<b>Product</b>	<b>D-Hydroorotic acid</b>  R-2,6-Dioxohexahydro-4-pyrimidinecarboxylic acid
<b>CAS Number</b>	5988-53-4
<b>Molecular Formula</b>	C <sub>6</sub> H <sub>5</sub> N <sub>2</sub> O <sub>4</sub>
<b>Molecular Weight</b>	158.11

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<b>Appearance</b>	White solid
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>25</sup> = -31.0° (C=1 in NaHCO <sub>3</sub> )
<b><sup>13</sup>C NMR</b>	Conforms to structure
<b><sup>1</sup>H NMR</b>	Conforms to structure
<b>Purity by HPLC</b>	> 95%
<b>Storage</b>	Store at 0-8 °C
<b>Remarks</b>	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