

# Chem-Impex International, Inc.

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## Certificate of Analysis

<b>Catalogue Number</b>	01597
<b>Lot Number</b>	000547-16105-13
<b>Product</b>	<b>Deoxyribonucleic acid sodium salt (from calf thymus)</b> DNA sodium salt  Thymonucleic acid sodium salt
<b>CAS Number</b>	73049-39-5
<b>Gel Strength</b>	Sample migrates slower on a 1% Agarose gel than a standard with an S20 w of 26 (23.10 bp)
<b>Elemental Analysis (Found)</b>	Nitrogen (Dry wt basis): 14.45%, Phosphorus (Dry wt basis): 8.20%
<b>Water Content (Karl Fisher)</b>	2.05% (Weight loss in vacuum at 60 °C)
<b>Stability</b>	Indefinitely stable, hence no expiration date
<b>UV Ratios</b>	$\lambda_{\text{max}}$ : 257nm A <sub>260</sub> u/mg = 17.8 250/260 = 0.87 280/260 = 0.54 290/260 = 0.24 All readings measured in 0.1M NaCl. 0.02M Na <sub>2</sub> HPO <sub>4</sub> (pH 7.5)
<b>Solvent</b>	Na_0.1M; Cl_0.09M; PO <sub>4</sub> _7.25 at pH 7.25
<b>Storage</b>	Store at ≤ -20 °C
<b>Additional Information</b>	Hyperchromicity (From melting curve): 32.3%
<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**