

Certificate of Analysis

Product	Deoxyribonucleic Acid, Lambda
Source	E. coli
Country of Manufacture	USA
Storage	Store at -20°C.
Code	DNAL
Lot Number	
Re-Assay Date	
Description	Purified to an A260/A280 1.8 from purified phage. Homogeneous by agarose gel electrophoresis. Generates the characteristic five and eight bands after digestion with EcoR I and Hind III respectively. A solution in 10mM Tris-HCl, pH 8.0, with 1mM EDTA.
Unit Definition	1 A260 = 50 µg

<u>Parameter</u>	<u>Result</u>	<u>Acceptance Criteria</u>
A260/A280	1.87	A260/A280 at least 1.8
Agarose Gel Electrophoresis	Homogeneous	Homogeneous
EcoRI Digestion	Satisfactory	Satisfactory
Hind III Digestion	Satisfactory	Satisfactory
Nuclease	None detected	None detected at 2 hour or 24 hrs.
µg/ml	800	Report assay value.

Nuclease: There is none detected after incubation of 7 µg of DNAL for 24 hours at 37°C in 10mM Tris containing 10 mM MgCl₂ in a total volume of 20 µl.