

# Certificate of Analysis

**Product** : ABI 3900 HT dA<sup>Bz</sup> DNA Synthesis Column 1  $\mu$ mol  
**Part No.** : 4316679  
**Lot No.** : 1205098  
**Release Date** : 31 May 2012  
**Expiration** : One Year From Date of Shipment

## **Physical Inspection**

To verify conformity of automated column assembly to our manufacturing standards, samples of the finished columns are visually inspected to verify corrected column assembly and labeling.

Result: PASS

## **Appearance**

Specification: Each bulk lot of polystyrene is confirmed to be a white to pale yellow, free flowing powder, free of foreign particulates.

Result: WHITE

## **Identity**

Samples of the nucleoside-loaded support are treated to cleave the nucleoside from the support. The nucleoside is then analyzed by RP-HPLC to verify the identity.

Specification: The nucleoside is analyzed by RP-HPLC and verified against a reference standard.

Result: PASS

## **Nucleoside Loading**

Each bulk lot of support is tested to determine the extent of nucleoside loading.

Specification: 25.0 to 32.0  $\mu$ mol/g

Result: 30.5  $\mu$ mol/g

## **DNA Synthesis Use Test**

Each bulk lot of loaded support is tested for its ability to adequately support DNA synthesis. The coupling efficiency is based on the synthesis of a proprietary oligonucleotide sequence.

Specification:  $\geq 98.0\%$

Result: 99.3%

Approved by:

SC Hong

Quality Assurance Manager

**AB Applied Biosystems**  
an Applied Biosystems Corporation Business

Notice: For Research Use Only. Not for use in diagnostic procedures.

4316704 D