

Certificate of Analysis

Product : 1.0 $\mu\text{mol dC}^{\text{Bz}}$ 1000Å CPG DNA Synthesis Column
Part No. : 401440
Lot No. : 1203059
Release Date : 03 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 CPG is confirmed to be a white to off-white, free flowing powder, free of foreign particulates.
Result: OFF-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: 14.0 to 26.0 $\mu\text{mol/g}$
Result: 17.2 $\mu\text{mol/g}$

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: 99.2%

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.

904834 D