## Certification



**PRODUCT NAME:** dC β-Cyanoethyl Phosphoramidite

PRODUCT NUMBER: 27-1732-14
LOT NUMBER: SK2092
BULK NUMBER: QL0115B

**DESCRIPTION:** 5'-O-Dimethoxytrityl-N<sup>4</sup>-benzoyl-2'-deoxycytidine-3'-O-(β-

cyanoethyl-N,N-diisopropyl) phosphoramidite CHEMICAL FORMULA:  $C_{46}H_{52}N_5O_8P$  FORMULA WEIGHT: 833.93 g/mol 102212-98-6 STORE: -20°C SHIP: Ambient DATE OF MANUFACTURE: 12/14/2015 06/16/2019

## **ANALYSIS**

Value	Specification	Observed Value
Appearance	White to light yellow powder	Pass
Solution Clarity	0.2M solution in acetonitrile is free from undissolved particulate	Pass
Purity by HPLC	≥ 98.0%	99.1%
Purity by <sup>31</sup> P NMR	≥ 98.0%	98.8%
Water Content	≤ 0.3%	0.0%

## **ORIGIN INFORMATION**

Nucleoside source: This product may be produced using nucleosides derived from chemical synthesis and/or enzymatic synthesis or a blend of these sources.

No known animal-derived materials were used in the manufacture of this product.

Use of this product for the synthesis of polynucleotides may require a license from a third party. It is the responsibility of the purchaser of this product to determine the necessity of obtaining such a license and acquiring the same. No license is granted to the purchaser either directly, by implication, estoppel or otherwise.

## **Revision 15**

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