

# Certification



**PRODUCT NAME:** TheraPure® Bz rA Phosphoramidite  
**PRODUCT NUMBER:** 27-1903-06  
**LOT NUMBER:** RJ2032  
**BULK NUMBER:** RI0039  
**DESCRIPTION:** 5'-O-Dimethoxytrityl-N<sup>6</sup>-benzoyl-2'-O-TBDMSi-adenosine-3'-O-(β-cyanoethyl-N,N-diisopropyl) phosphoramidite  
**CHEMICAL FORMULA:** C<sub>53</sub>H<sub>66</sub>N<sub>7</sub>O<sub>8</sub>PSi  
**FORMULA WEIGHT:** 988.2 g/mol  
**CAS NUMBER:** 104992-55-4  
**STORE:** -20°C  
**SHIP:** Ambient

<u>Value</u>	<u>ANALYSIS</u> <u>Specification</u>	<u>Observed Value</u>
Purity by HPLC	≥ 99%	100%
Purity by <sup>31</sup> P NMR	≥ 99%	100%
Water Content	≤ 0.3%	0.1%
Appearance	Color intensity must not exceed Pantone #P1-4U or #P4-2U	Pass
Solution Clarity	0.2 M solution in acetonitrile is free from undissolved particulate	Pass

#### NMR Impurity Profile

Sum of non-primary peaks in 140-152 ppm range	≤ 0.5 mole%	0.0%
Single Impurity in 140-152 range	None > 0.3%	None > 0.3%

#### **TSE/BSE INFORMATION**

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 12**

Thermo Fisher Scientific  
2202 N. Bartlett Avenue  
Milwaukee, WI 53202-1009 U.S.A.  
Customer Service Telephone: 1-877-886-7629  
Email: mke.csm@thermofisher.com