

# Certification



**PRODUCT NAME:** Acetyl dC Phosphoramidite  
**PRODUCT NUMBER:** 29-1727-89  
**LOT NUMBER:** TB2452  
**BULK NUMBER:** SG0115  
**DESCRIPTION:** 5'-DMT-N<sup>4</sup>-Acetyl-deoxycytidine 3'-O-(β-cyanoethyl-N,N-diisopropyl) phosphoramidite  
**CHEMICAL FORMULA:** C<sub>41</sub>H<sub>50</sub>N<sub>5</sub>O<sub>8</sub>P  
**FORMULA WEIGHT:** 771.8 g/mol  
**CAS NUMBER:** 154110-40-4  
**STORE:** -20°C  
**SHIP:** Ambient  
**DATE OF MANUFACTURE:** 07/13/2017  
**BULK RETEST DATE:** 01/13/2021

## ANALYSIS

Value	Specification	Observed Value
Appearance	White to off-white powder	Pass
Solution Clarity	0.2 M solution in acetonitrile is free from undissolved particulate	Pass
RP-HPLC Purity	≥ 98.0%	99.0%
<sup>31</sup> P NMR Purity	≥ 98.0%	99.6%
Water Content	≤ 0.3%	0.1%
Material Origin (TSE/BSE)	No known animal-derived materials were used in the manufacture of this product	Pass

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. Other than as indicated above, no license is granted to the purchaser either directly, by implication, estoppel or otherwise.

## Revision 17

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