



## CERTIFICATE OF ANALYSIS

<b>Product Name</b>	<b>Locked Nucleic Acid T Phosphoramidite</b>		
<b>Material Code</b>	11540190	<b>CAS Number</b>	206055-75-6
<b>Batch No.</b>	115402513	<b>Molecular Formula</b>	C41H49N4O9P
<b>Mfg. Date</b>	OCT 2021	<b>Molecular Weight</b>	772.82

<b>TEST</b>	<b>SPECIFICATION</b>	<b>RESULTS</b>
*Appearance (Color)	White to off-white	Off-white
*Appearance (Form)	Solid free from foreign particles	Complies
Solubility	No visible particles in 0.2M Acetonitrile solution	Complies
*Moisture content by oven technique	NMT 0.50 %	0.43 %
*Purity by 31P NMR	NLT 98.0 %	99.9 %
*Purity by HPLC (Area %)	NLT 98.0 %	99.1 %
Residual Solvent	NMT 1.00 %	0.50 %

**Remarks** Product complies as per above specification.  
\*Retested on 24 JUN 2022.

**Storage condition** Store at -20°C temperature, do not expose to moisture/sunlight.

Dr. Ravi Kinshikar  
Vice President-Quality

***Certificate generated electronically.***