

Version 1.1

Update: 02/28/2020

## CERTIFICATE OF ANALYSIS

### Product Information

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|--------------------|---|
| Product Name:      | dTTP (100 mM) $\geq$ 99% HPLC   |
| Cat. No.:          | C01580-10   |
| Lot No.:           | M2009012  |
| CAS No.:           | 18423-43-3  |
| MW:                | 548.1   |
| Size:              | 10ml  |
| Molecular Formula: | C <sub>10</sub> H <sub>14</sub> N <sub>2</sub> Na <sub>3</sub> O <sub>14</sub> P <sub>3</sub> |
| Storage condition: | Store at -20°C to -80°C   |

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### Quality Results

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| Test Items                 | Specifications           | Results   |
|----------------------------|--------------------------|-----------|
| Physical Appearance        | Clear Colorless solution | Conformed |
| Concentration              | 100mM $\pm$ 3%           | 103mM     |
| Purity(HPLC)               | $\geq$ 99%               | 99.6%     |
| $\lambda$ max              | 267nm $\pm$ 2nm          | 267nm     |
| Absorbance Rations (pH7.0) | A250/A260 0.62-0.68      | 0.62      |
|                            | A280/A260 0.69-0.79      | 0.74      |
| pH(22~25°C)                | 7.0 $\pm$ 0.1            | 7.1       |

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### Caution

For laboratory or further manufacturing use only. Not intended for household use. If you have any questions about the Certificate of Analysis, please contact our customer service representative at 1-877-436-7274 (Toll-Free), or 1-732-885-9188.

Certified by: *Xianli Yang* Date: 09/10/2020

Quality Department

*For laboratory research use only. Direct human use, including taking orally and injection and clinical use are forbidden.*