

### 3.2.S.4.1 SPECIFICATION

Testing of CX-024414 is performed in accordance with the specification listed in [Table 1](#).

**Table 1: Specification for CX-024414**

Test	Analytical Method (SOP Reference)	Acceptance Criteria
Appearance	Visual (SOP-0278)	(b) (4)
Identity	Reverse Transcription/Sanger Sequencing (SOP-1019)	
Total RNA content	UV (SOP-0995)	
Purity	RP-HPLC (SOP-0996)	
Product-related impurities	RP-HPLC (SOP-0996)	
% 5' Capped	RP-UPLC-UV (SOP-0997)	
% PolyA tailed RNA (% Tailless RNA)	RP-HPLC (SOP-0994)	
Residual DNA template	qPCR (SOP-1020)	
pH	USP <791> (SOP-0288)	
Bacterial endotoxin	USP <85>, EP 2.6.14 (SOP-0352 ModernaTX, Inc.) (USPO-236 Lonza Biologics, Inc.)	
Bioburden	USP <61>, EP 2.6.12 (SOP-0480 ModernaTX, Inc.) (USPO-3451 Lonza Biologics, Inc.)	