



CERTIFICATE OF ANALYSIS

Product Description:	mRNA-1273	Moderna Part #:	50068
Manufacturer Name:	Moderna	Container/Closure:	(b) (4)
Manufacturer Lot:	5006820003		
Moderna Lot Number:	5006820003	Specification:	SPC-1005
Date of Manufacture:	16Jun2020	Expiry Date:	16Sep2020

Product Attribute	Method	Parameter	Specification	Result
Appearance	SOP-0278	Appearance - Color	(b) (4)	
		Appearance - Particulates		
Identity	SOP-0544	Identity		
Concentration	SOP-0235	Concentration		
Purity	SOP-0383	Purity		
		% IG1		
		% IG2		
		% IG3		
		% Total Impurities		
% RNA Encapsulation	SOP-0298	% Encapsulation		
Dynamic Light Scattering	SOP-0107	Particle Size		
		Polydispersity		
Lipid Identification	SOP-0502	SM102		
		Cholesterol		
		DSPC		
		PEG-DMG		

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FDA-CBER-2022-1614-3815323



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Product Attribute	Method	Parameter	Specification	Result
Lipid Content		SM102	(b) (4)	
		Cholesterol		
		DSPC		
		PEG-DMG		
Lipid Impurities		% Area 1		
		% Area 2		
		% Area 3		
		% Area 4		
		RRT 1		
		RRT 2		
		RRT 3		
		RRT 4		
pH	SOP-0288	pH		
Osmolality	SOP-0279	Osmolality		
Bacterial Endotoxins	USP <85>	Bacterial Endotoxins		
Bioburden	SOP-0480	TAMC		
		TYMC		

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This material meets specification: Yes

Revision History:

1.0 - Original

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FDA-CBER-2022-1614-3815325

Document Approvals
Approved Date: 20 Jul 2020

Approval Verdict: Approved	Steven Anderson, (b) (6) @modernatx.com) Quality Control Approval 20-Jul-2020 14:49:08 GMT+0000
QA Approval Verdict: Approved	(b) (6) @modernatx.com) Quality Assurance Approval 20-Jul-2020 16:16:10 GMT+0000