



CERTIFICATE OF ANALYSIS

Product Description:	mRNA-1273	Moderna Part #:	50068
Manufacturer Name:	Moderna	Container/Closure:	(b) (4)
Manufacturer Lot:	5006820002		
Moderna Lot Number:	5006820002	Specification:	SPC-1005
Date of Manufacture:	15May2020	Expiry Date:	15Aug2020

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-2022-1614-3815315



CERTIFICATE OF ANALYSIS

Product Description: mRNA-1273 Moderna Part #: 50068
Manufacturer Name: Moderna Container/Closure: (b) (4)
Manufacturer Lot: 5006820002
Moderna Lot Number: 5006820002 Specification: SPC-1005
Date of Manufacture: 15May2020 Expiry Date: 15Aug2020

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		
USP <467>	(b) (4)	Ethanol		
Bacterial Endotoxins	USP <85>	Bacterial Endotoxins		
Bioburden	SOP-0480	TAMC		
		TYMC		

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FDA-CBER-2022-1614-3815316



CERTIFICATE OF ANALYSIS

Product Description:	mRNA-1273	Moderna Part #:	50068
Manufacturer Name:	Moderna	Container/Closure:	(b) (4)
Manufacturer Lot:	5006820002		
Moderna Lot Number:	5006820002	Specification:	SPC-1005
Date of Manufacture:	15May2020	Expiry Date:	15Aug2020

Product Attribute	Method	Parameter	Specification	Result
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This material meets specification: Yes

Revision History:

1.0 - Original

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Document Number: VV-QUAL-006643 eDMS Version: 1.0 Page 3 of 4
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FDA-CBER-2022-1614-3815317

Document Approvals
Approved Date: 19 Jun 2020

Approval Verdict: Approved	Steven Anderson, (b) (6) @modernatx.com) Quality Control Approval 19-Jun-2020 14:12:28 GMT+0000
QA Approval Verdict: Approved	(b) (6) , (b) (6) @modernatx.com) Quality Assurance Approval 19-Jun-2020 15:26:54 GMT+0000