



CERTIFICATE OF ANALYSIS

Product Description:	mRNA-1273	Moderna Part #:	50075
Manufacturer Name:	Moderna	Container/Closure:	(b) (4)
Manufacturer Lot:	5007520001		
Moderna Lot Number:	5007520001	Specification:	SPC-1213
Date of Manufacture:	31Oct2020	Expiry Date:	29Apr2021

Product Attribute	Method	Parameter	Specification	Result
Appearance	SOP-0278	Appearance - Color	(b) (4)	
		Appearance - Particulates		
Identity	SOP-1032	Identity		
Concentration	SOP-0999	Concentration		
Purity	SOP-0996	Purity		
		% IG1		
		% IG2		
		% IG3		
		% Total Impurities		
% RNA Encapsulation	SOP-1000	% Encapsulation		
Dynamic Light Scattering	SOP-0998	Particle Size		
		Polydispersity		
Lipid Identification	SOP-1001	SM102		
		Cholesterol		
		DSPC		
		PEG-DMG		

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FDA-CBER-2022-1614-3815336



CERTIFICATE OF ANALYSIS

Product Description:	mRNA-1273	Moderna Part #:	50075
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Moderna Lot Number:	5007520001	Specification:	SPC-1213
Date of Manufacture:	31Oct2020	Expiry Date:	29Apr2021

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		
		% Total Impurities		
pH	SOP-0288	pH		
Osmolality	SOP-0279	Osmolality		
Bacterial Endotoxins	USP <85>	Bacterial Endotoxins		
Bioburden	SOP-0480	TAMC		
		TYMC		

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FDA-CBER-2022-1614-3815337



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Product Description:	mRNA-1273	Moderna Part #:	50075
Manufacturer Name:	Moderna	Container/Closure:	(b) (4)
Manufacturer Lot:	5007520001		
Moderna Lot Number:	5007520001	Specification:	SPC-1213
Date of Manufacture:	31Oct2020	Expiry Date:	29Apr2021

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

Revision History:

1.0 - Original

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FDA-CBER-2022-1614-3815338

Document Approvals
Approved Date: 24 Nov 2020

Approval Verdict: Approved	Steven Anderson, (b) (6) @modernatx.com) Quality Control Approval 23-Nov-2020 21:39:21 GMT+0000
QA Approval Verdict: Approved	(b) (6) (b) (6) @modernatx.com) Quality Assurance Approval 24-Nov-2020 17:09:24 GMT+0000