

CERTIFICATE OF ANALYSIS

Product Description:	mRNA-1273	Moderna Part #:	60075
Manufacturer Name:	Moderna	Container/Closure:	10R Glass Vial, 20mm Stopper, 20mm Plascap
Manufacturer Lot:	7006320002 (Labeled Drug Product)		
Moderna Lot Number:	6007520002	Specification:	SPC-1063
Date of Manufacture:	02Jun2020	Expiry Date:	02Mar2021

Product Attribute	Method	Parameter	Specification	Result
Appearance	SOP-0278	Appearance - Color	White to off-white dispersion.	White to off-white dispersion
		Appearance - Particulates	May contain visible, white or translucent product-related particles	Essentially Free of Particulates
Concentration	SOP-0235	Concentration	(b) (4)	
Identity	SOP-0544	Identity		
Purity	SOP-0383	Purity		
		% IG1		
		% IG2		
		% IG3		
% RNA Encapsulation	SOP-0298	% Encapsulation		
In vitro Translation (Potency)	SOP-0937	Result		
pH	SOP-0288	pH		
Osmolality	SOP-0279	Osmolality		
Dynamic Light Scattering	SOP-0107	Particle Size		
		Polydispersity		
Lipid Identification	SOP-0502	SM102		
		Cholesterol		

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Page 1 of 3

Generated Date: 16-Nov-2020

Document Number: VV-QUAL-006736 eDMS Version: 1.0 Page 1 of 4
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FDA-CBER-2022-1614-3815171



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Product Attribute	Method	Parameter	Specification	Result
Lipid Content		DSPC	(b) (4)	
		PEG-DMG		
		SM102		
		Cholesterol		
Lipid Impurities		DSPC		
		PEG-DMG		
		% Area 1		
		% Area 2		
		% Area 3		
		% Area 4		
		% Area 5		
		% Area 6		
		RRT 1		
		RRT 2		
		RRT 3		
		RRT 4		
		RRT 5		
		RRT 6		

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Page 2 of 3

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Product Attribute	Method	Parameter	Specification	Result
		% Total Impurities	(b) (4)	
Particulate Matter	SOP-0509	10 µm particles per container		
		25 µm particles per container		
Container Content	SOP-0950	Container Content		
Bacterial Endotoxins	USP <85>	Bacterial Endotoxins		
Sterility	SOP-0378	Sterility		

This material meets specification: Yes

Revision History:

1.0 - Original

2.0 - Expiry date updated from 02Sep2020 to 02Dec2020

3.0- Extend expiry from 02Dec2020 (6M) to 02Mar2021 (9M) from DOM. Reference DPAD-01025.

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Page 3 of 3

Generated Date: 16-Nov-2020

Document Number: VV-QUAL-006736 eDMS Version: 1.0 Page 3 of 4
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FDA-CBER-2022-1614-3815173

Document Approvals
Approved Date: 18 Nov 2020

Approval Verdict: Approved	(b) (6) (b) (6) @modernatx.com) Quality Control Approval 16-Nov-2020 16:01:49 GMT+0000
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