

CERTIFICATE OF ANALYSIS

Product Description:	mRNA-1273	Moderna Part #:	60075
Manufacturer Name:	Moderna	Container/Closure:	10R Glass Vial, 20mm Stopper, 20mm Plascap
Manufacturer Lot:	7006320001 (Labeled Drug Product)		
Moderna Lot Number:	6007520001	Specification:	SPC-1063
Date of Manufacture:	28May2020	Expiry Date:	28Nov2021

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) (Target: 0.20 mg/mL)	(b) (4)
Identity	SOP-0544	Identity	(b) (4)	
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-Mar-2021

Document Number: VV-QUAL-006735 eDMS Version: 1.0 Page 1 of 4
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FDA-CBER-2022-1614-3815167



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Product Description:	mRNA-1273	Moderna Part #:	60075
Manufacturer Name:	Moderna	Container/Closure:	10R Glass Vial, 20mm Stopper, 20mm Plascap
Manufacturer Lot:	7006320001 (Labeled Drug Product)		
Moderna Lot Number:	6007520001	Specification:	SPC-1063
Date of Manufacture:	28May2020	Expiry Date:	28Nov2021

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		
		% Area 7		
		% Area 8		
		RRT 1		
		RRT 2		
		RRT 3		
		RRT 4		

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Page 2 of 3

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Product Attribute	Method	Parameter	Specification	Result
		RRT 5	(b) (4)	
		RRT 6		
		RRT 7		
		RRT 8		
		% Total Impurities		
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- Added Labeled Drug Product part number (7006320001) to CofA header
- 3.0- Extend expiry from 28Aug2020 (3M) to 28Feb2021 (9M) from DOM. Reference DPAD-01025.
- 4.0- Extend expiry from 28Feb2021 (9M) to 28Nov2021(18M) from DOM. Added LDP lot 7006320001 to header. Reference QC OTH-0359.

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Page 3 of 3

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Document Approvals
Approved Date: 17 Mar 2021

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QA Approval Verdict: Approved	(b) (6) (b) (6) @modernatx.com) Quality Assurance Approval 17-Mar-2021 14:16:46 GMT+0000