

CERTIFICATE OF ANALYSIS

Product Description:	mRNA-1273	Moderna Part #:	60075
Manufacturer Name:	Moderna	Container/Closure:	10R Glass Vial, 20mm Stopper, 20mm Plascap
Manufacturer Lot:	7006320006 (Labeled Drug Product)		
Moderna Lot Number:	6007520006	Specification:	SPC-1063
Date of Manufacture:	08Jul2020	Expiry Date:	08Apr2021

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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FDA-CBER-2022-1614-3815187



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Product Attribute	Method	Parameter	Specification	Result
Lipid Content		DSPC	(b) (4)	
		PEG-DMG		
		SM102		
		Cholesterol		
		DSPC		
Lipid Impurities		PEG-DMG		
		% Area 1		
		% Area 2		
		% Area 3		
		% Area 4		
		RRT 1		
		RRT 2		
		RRT 3		
		RRT 4		
Particulate Matter	SOP-0509	% Total Impurities		
		10 µm particles per container		
		25 µm particles per container		

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Product Attribute	Method	Parameter	Specification	Result
Container Content	SOP-0950	Container Content	(b) (4)	
Bacterial Endotoxins	USP <85>	Bacterial Endotoxins		
Sterility	SOP-0378	Sterility		

This material meets specification: Yes

Revision History:

1.0 - Original

2.0 - Corrected SOP-0509 Lipid Analysis RRT labeling. No changes to reported results, RRT incorrectly started at RRT2 instead of RRT1 for impurity tracking in version 1.0.

Corrected batch date from 07Jul2021 to 08Jul2020 and expiry date from 07Jan2021 to 08Jan2021

3.0- Extended expiry from 08Jan2021 (6M) to 08Apr2021 (9M) from DOM. Reference DPAD-01025.

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Document Approvals
Approved Date: 12 Nov 2020

Approval Verdict: Approved	(b) (6) (b) (6) @modernatx.com) Quality Control Approval 11-Nov-2020 15:37:27 GMT+0000
QA Approval Verdict: Approved	(b) (6) (b) (6) @modernatx.com) Quality Assurance Approval 12-Nov-2020 12:15:45 GMT+0000