

CERTIFICATE OF ANALYSIS

Product Description:	mRNA-1273	Moderna Part #:	60075
Manufacturer Name:	Moderna	Container/Closure:	10R Glass Vial, 20mm Stopper, 20mm Plascap
Manufacturer Lot:	7006320005 (Labeled Drug Product)		
Moderna Lot Number:	6007520005	Specification:	SPC-1063
Date of Manufacture:	30Jun2020	Expiry Date:	30Dec2021

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	CoA-0465 DP Lot 6007520005	(b) (4)	
Identity	SOP-0544		(Target: 0.20 mg/mL)	
Purity	SOP-0383		(b) (4)	
		% IG2		
		% IG3		
% RNA Encapsulation	SOP-0298	% Encapsulation	(b) (4)	
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		

CONFIDENTIAL - DO NOT DISTRIBUTE OUTSIDE OF MODERNATX, INC. WITHOUT WRITTEN PERMISSION

Generated By: (b) (6)

Page 1 of 3

Generated Date: 09-Mar-2021

Document Number: VV-QUAL-006739 eDMS Version: 1.0 Page 1 of 4
Confidential and Proprietary

FDA-CBER-2022-1614-3815183

CERTIFICATE OF ANALYSIS

Product Description:	mRNA-1273	Moderna Part #:	60075
Manufacturer Name:	Moderna	Container/Closure:	10R Glass Vial, 20mm Stopper, 20mm Plascap
Manufacturer Lot:	7006320005 (Labeled Drug Product)		
Moderna Lot Number:	6007520005	Specification:	SPC-1063
Date of Manufacture:	30Jun2020	Expiry Date:	30Dec2021

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		

CONFIDENTIAL - DO NOT DISTRIBUTE OUTSIDE OF MODERNATX, INC. WITHOUT WRITTEN PERMISSION

Generated By: (b) (6)

Page 2 of 3

Generated Date: 09-Mar-2021

Document Number: VV-QUAL-006739 eDMS Version: 1.0 Page 2 of 4
Confidential and Proprietary

FDA-CBER-2022-1614-3815184

CERTIFICATE OF ANALYSIS

Product Description:	mRNA-1273	Moderna Part #:	60075
Manufacturer Name:	Moderna	Container/Closure:	10R Glass Vial, 20mm Stopper, 20mm Plascap
Manufacturer Lot:	7006320005 (Labeled Drug Product)		
Moderna Lot Number:	6007520005	Specification:	SPC-1063
Date of Manufacture:	30Jun2020	Expiry Date:	30Dec2021

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 Batch Date from 01Jul2020 to 30Jun2020 and expiry date from 01Jan2021 to 30Dec2020.
- 3.0- Extended expiry from 30Dec2020 (6M) to 30Mar2021 (9M) from DOM. Reference DPAD-01025.
- 4.0- Extend expiry from 30Mar2021 (9M) to 30Dec2021(18M) from DOM. Reference QC-OTH-0359.

CONFIDENTIAL - DO NOT DISTRIBUTE OUTSIDE OF MODERNATX, INC. WITHOUT WRITTEN PERMISSION

Generated By: (b) (6)

Page 3 of 3

Generated Date: 09-Mar-2021

Document Number: VV-QUAL-006739 eDMS Version: 1.0 Page 3 of 4
 Confidential and Proprietary

FDA-CBER-2022-1614-3815185

Document Approvals
Approved Date: 09 Mar 2021

Approval Verdict: Approved	(b) (6) (b) (6) @modernatx.com) Quality Control Approval 09-Mar-2021 19:28:50 GMT+0000
QA Approval Verdict: Approved	(b) (6) (b) (6) @modernatx.com) Quality Assurance Approval 09-Mar-2021 21:24:47 GMT+0000