UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

SCHEDULE 13G

INFORMATION TO BE INCLUDED IN STATEMENTS PURSUANT TO RULES 13d-1(b),(c) AND (d) AND AMENDMENTS THERETO FILED PURSUANT TO 13d-2 UNDER THE SECURITIES EXCHANGE ACT OF 1934*

(Amendment No. 2)

Amylyx Pharmaceuticals, Inc.

(Name of Issuer)

Common stock, \$0.0001 par value per share (Title of Class of Securities)

> <u>03237H101</u> (CUSIP Number)

December 31, 2022 (Date of Event Which Requires Filing of this Statement)

Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

 $\Box \text{ Rule 13d-1(b)} \\ \boxtimes \text{ Rule 13d-1(c)} \\ \Box \text{ Rule 13d-1(d)} \\ \end{vmatrix}$

* The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter disclosures provided in a prior cover page.

The information required in the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, *see* the *Notes*).

CUSIP No. 03237	7H101			13G	Page 2 of 18 Pa	ages		
1			PORTING PERSONS					
2	CHECK (a)□ (b)⊠							
3	SEC US	E ONL	Y					
4	CITIZE Delawar		OR PLACE OF ORGANI	ZATION				
	$5 \int_{0}^{\text{SOLE VOTING POWEI}}$			1				
	NUMBER OF SHARES		SHARED VOTING POWER 4,634,606*					
REPORTING P WITH		7	SOLE DISPOSITIVE PO	OWER				
		8	SHARED DISPOSITIVE 4,634,606*	POWER				
9	AGGRE 4,634,60		AMOUNT BENEFICIALI	LY OWNED BY EACH	REPORTING PERSON			
10	10 CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS)							
11	11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 7.0%*							
12	TYPE C	OF REP	ORTING PERSON (SEE I	NSTRUCTIONS)				

CUSIP No. 0323	7H101				13G		Page 3 of 18 Pages	
1			EPORTING PERSONS Opportunities Parent GP LL	С				
2	CHECK (a)□ (b)⊠							
3	SEC US	E ONL	Y					
4	CITIZE Delawar		OR PLACE OF ORGAN	NIZATI(DN			
	NUMBER OF SHARES BENEFICIALLY OWNED BY EACH		SOLE VOTING POWI	ER				
BENEFICIA			X 4,634,606*					
REPORTING F			SOLE DISPOSITIVE I	OWER				
		8	SHARED DISPOSITIN 4,634,606*	'E POW	ER			
9	AGGRE 4,634,60		AMOUNT BENEFICIA	LLY OW	VNED BY EACH	REP	ORTING PERSON	
10	10 CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS)							
11	11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 7.0%*							
12	TYPE C	OF REP	ORTING PERSON (SEF	INSTR	UCTIONS)			

CUSIP No. 0323	7H101				13G		Page 4 of 18 Pages	
1			EPORTING PERSONS Opportunities GP LLC					
2	CHECK (a)□ (b)⊠							
3	SEC US	E ONL	Y					
4	CITIZE: Delaware		OR PLACE OF ORGAN	IZATIO	DN			
		5	SOLE VOTING POWE	R				
	NUMBER OF SHARES BENEFICIALLY		SHARED VOTING PO 4,634,606*	WER				
REPORTING F WITH	PERSON	7	SOLE DISPOSITIVE P	OWER				
		8	SHARED DISPOSITIV 4,634,606*	E POWI	ER			
9	AGGRE 4,634,60		AMOUNT BENEFICIAI	LLY OW	NED BY EACH	REPO	DRTING PERSON	
10	СНЕСК	IF TH	E AGGREGATE AMOU	NT IN R	ROW (9) EXCLU	DES (CERTAIN SHARES (SEE INSTRUCTIONS)	
11	11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 7.0%*							
12	TYPE O	F REP	ORTING PERSON (SEE	INSTRU	UCTIONS)			

CUSIP No. 0323	7H101				13G		Page 5 of 18 Pages	
1			EPORTING PERSONS Opportunities Portfolio GP	LLC				
2	CHECK (a)□ (b)⊠							
3	SEC US	E ONL	Y					
4	CITIZE Delawar		OR PLACE OF ORGA	NIZATI	ON			
	NUMBER OF SHARES BENEFICIALLY		SOLE VOTING POW	ER				
			3,145,911*					
REPORTING F WITH	PERSON	7	SOLE DISPOSITIVE	POWER				
		8	SHARED DISPOSITIV 3,145,911*	VE POW	/ER			
9	AGGRE 3,145,91		AMOUNT BENEFICIA	LLY OV	VNED BY EACH	REF	PORTING PERSON	
10	10 CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS)							
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 4.7%*							
12	TYPE C	OF REP	ORTING PERSON (SEI	E INSTR	RUCTIONS)			

CUSIP No. 0323	37H101				13G		Page 6 of 18 Pages	
1			PORTING PERSONS	nents S	ub-Master LP			
2	CHECK (a)□ (b)⊠							
3	SEC US	E ONL	Ý					
4	CITIZE Cayman		OR PLACE OF ORGANI	ZATIO	ON			
		5	SOLE VOTING POWER	Ł				
	UMBER OF SHARES BENEFICIALLY		SHARED VOTING POWER 3,145,911*					
REPORTING I WITH	PERSON	7	SOLE DISPOSITIVE PO	OWER				
	-	8	SHARED DISPOSITIVE 3,145,911*	2 POW	ER			
9	AGGRE 3,145,91		AMOUNT BENEFICIAL	LY OW	VNED BY EACH	REP	ORTING PERSON	
10	СНЕСК	IF TH	E AGGREGATE AMOUN	T IN I	ROW (9) EXCLUI	DES	CERTAIN SHARES (SEE INSTRUCTIONS)	
11	PERCE 4.7%*	NT OF	CLASS REPRESENTED	BY AN	AOUNT IN ROW	(9)		
12	TYPE O PN	F REP	ORTING PERSON (SEE)	NSTR	UCTIONS)			

CUSIP No. 0323	7H101				13G		Page 7 of 18 Pages		
1	NAMES O. Andr		CPORTING PERSONS						
2	CHECk (a)□ (b)⊠								
3	SEC US	SE ONL	Ŷ						
4	CITIZE Norway		OR PLACE OF ORGAN	IZATION	N				
	5 5								
	NUMBER OF SHARES BENEFICIALLY		SHARED VOTING POWER 4,634,606*						
REPORTING P WITH	PERSON	7	SOLE DISPOSITIVE P	OWER					
		8	SHARED DISPOSITIVE 4,634,606*	HARED DISPOSITIVE POWER ,634,606*					
9	AGGRH 4,634,60		AMOUNT BENEFICIAL	LY OWN	NED BY EACH	REPOR	FING PERSON		
10	10 CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS)								
11	11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 7.0%*								
12	TYPE C	OF REP	ORTING PERSON (SEE	INSTRU	CTIONS)				

CUSIP No. 0323	7H101				13G		Page 8 of 18 Pages	
1	NAMES David C.		EPORTING PERSONS					
2	CHECK (a)□ (b)⊠							
3	SEC US	E ONL	Y					
4	CITIZE: United S		OR PLACE OF ORGA	NIZATI	ION			
NUMBER OF S BENEFICIA OWNED BY REPORTING F WITH	ALLY EACH PERSON	5 6 7 8	SOLE VOTING POW 0 SHARED VOTING P 4,634,606* SOLE DISPOSITIVE 0 SHARED DISPOSIT 4,634,606*	OWER POWEF				
9	AGGRE 4,634,60		AMOUNT BENEFICI	ALLY O	WNED BY EACH	REPO	DRTING PERSON	
10	СНЕСК	IF TH	E AGGREGATE AMC	UNT IN	ROW (9) EXCLU	DES C	CERTAIN SHARES (SEE INSTRUCTIONS)	
11	PERCE 7.0%*	NT OF	CLASS REPRESENTI	ED BY A	MOUNT IN ROW	(9)		
12	TYPE O IN	F REP	ORTING PERSON (SE	E INSTI	RUCTIONS)			

CUSIP No. 0323	37H101				13G		Page 9 of 18 Pages	
1	NAMES Rose S. S		EPORTING PERSONS					
2	CHECK (a)□ (b)⊠							
3	SEC US	E ONL	Y					
4	CITIZE United S		OR PLACE OF ORGAN	IZATIO	DN			
	$5 \int_{0}^{\text{SOLE VOTING POWE}}$							
	NUMBER OF SHARES BENEFICIALLY		SHARED VOTING POWER 4,634,606*					
REPORTING I WITH	PERSON	7	SOLE DISPOSITIVE P					
		8	SHARED DISPOSITIV 4,634,606*	E POWI	ER			
9	AGGRE 4,634,60		AMOUNT BENEFICIAI	LY OW	NED BY EACH	REPOF	RTING PERSON	
10	СНЕСК	TF TH	E AGGREGATE AMOU	NT IN R	OW (9) EXCLU	DES CE	ERTAIN SHARES (SEE INSTRUCTIONS)	
11	11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 7.0%*							
12	TYPE O	OF REP	ORTING PERSON (SEE	INSTRU	UCTIONS)			

CUSIP No. 03237	7H101				13G		Page 10 of 18 Pages	
1	NAMES		EPORTING PERSONS C					
2	CHECK (a)□ (b)⊠							
3	SEC USI	E ONL'	Y					
4	CITIZE! Delaware		OR PLACE OF ORGA	NIZATI	ON			
NUMBER OF S BENEFICIA OWNED BY I REPORTING P WITH	LLY EACH	5 6 7 8	SOLE VOTING POW 0 SHARED VOTING PO 1,488,695* SOLE DISPOSITIVE 0 SHARED DISPOSITI 1,488,695*	DWER POWEF				
9	AGGRE 1,488,693		AMOUNT BENEFICIA	LLY OV	WNED BY EACH	REI	PORTING PERSON	
10	CHECK	IF TH	E AGGREGATE AMO	UNT IN	ROW (9) EXCLU	DES	S CERTAIN SHARES (SEE INSTRUCTIONS)	
11	11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 2.2%*							
12	TYPE O 00	F REP	ORTING PERSON (SE	E INSTI	RUCTIONS)			

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<u>Item 1(a).</u>	Nam	ne of Issuer:									
	Am	ylyx Pharmaceuticals, Inc.									
<u>Item 1(b)</u> .	Add	Address of Issuer's Principal Executive Offices:									
	43	Thorndike Street, Cambridge, MA	02141								
<u>Item 2(a)</u> .	Nam	ne of Person Filing:									
	Vik Vik Vik Vik DR	ing Global Investors LP ("VGI"), ing Global Opportunities Parent GF ing Global Opportunities GP LLC (ing Global Opportunities Portfolio ing Global Opportunities Illiquid Ir AGSA 96 LLC ("DRAGSA 96"), Andreas Halvorsen, David C. Ott ar	("Oppo GP LL ivestm	ortunities GP") .C ("Opportuni ents Sub-Maste	'), nities Portfolio GP''),						
<u>Item 2(b)</u> .	Add	lress of Principal Business Office or, if non	ie <u>, Resic</u>	lence:							
	The	business address of each of the Re	porting	g Persons is: 55	55 Railroad Avenue, Greenwich, Connecticut 06830.						
<u>Item 2(c)</u> .	Citiz	zenship:									
	96 are I		s; ŶG(OP is a Caymai	nt, Opportunities GP, Opportunities Portfolio GP and an Islands exempted limited partnership; O. Andreas e citizens of the United States.						
<u>Item 2(d)</u> .	Title	es of Classes of Securities:									
	Cor	nmon stock, \$0.0001 par value per	share (("Common Sto	ock")						
<u>Item 2(e)</u> . <u>Item 3</u> .		 Employee Benefit Plan, Pension Fur 1974 or Endowment Fund; see Rule 13 Parent holding company, in accorda Savings Association as defined in S Church Plan that is excluded from the Act of 1940. 	ection 15 of the Exection 3(er Section nd whic 3d-1(b)(nce with ection 3 he defin with Rul he type of	5 of the Exchange xchange Act (a)(19) of the Excl on 8 of the Investi n 203 of the Investi h is subject to the 1)(ii)(F) h Rule 13d-1(b)(1 (b) of the Federal ition of an investi le 240.13d-1(b)(1) of institution:	ge Act change Act stment Company Act of 1940 estment Advisers Act of 1940: see Rule 13d-1(b)(1)(ii)(E) e provisions of the Employee Retirement Income Security Act o 1)(ii)(G).	any					

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Item 4. Ownership:

The percentages set forth herein are based on 66,256,218 shares of Common Stock outstanding as of November 7, 2022, as reported in the Issuer's quarterly report on Form 10-Q, filed with the Securities and Exchange Commission (the "Commission") on November 10, 2022.

A. VGI

- (a) Amount beneficially owned: 4,634,606
- (b) Percent of Class: 7.0%
- (c) Number of shares as to which such person has:
 - (i) Sole power to vote or to direct the vote: 0
 - (ii) Shared power to vote or to direct the vote: 4,634,606
 - (iii) Sole power to dispose or to direct the disposition of: 0
 - (iv) Shared power to dispose or to direct the disposition of: 4,634,606

VGI provides managerial services to VGOP and DRAGSA 96. VGI has the authority to dispose of and vote the shares of Common Stock directly owned by VGOP and DRAGSA 96. VGI does not directly own any shares of Common Stock.

Based on Rule 13d-3 of the Securities Exchange Act of 1934, as amended (the "Act"), VGI may be deemed to beneficially own the shares of Common Stock directly held by VGOP and DRAGSA 96.

VGI beneficially owns 4,634,606 shares of Common Stock consisting of (i) 3,145,911 shares of Common Stock directly and beneficially owned by VGOP and (ii) 1,488,695 shares of Common Stock directly and beneficially owned by DRAGSA 96.

- B. Opportunities Parent
- (a) Amount beneficially owned: 4,634,606
- (b) Percent of Class: 7.0%
- (c) Number of shares as to which such person has:
 - (i) Sole power to vote or to direct the vote: 0
 - (ii) Shared power to vote or to direct the vote: 4,634,606
 - (iii) Sole power to dispose or to direct the disposition of: 0
 - (iv) Shared power to dispose or to direct the disposition of: 4,634,606

Opportunities Parent is the general partner of Opportunities GP, which has the authority to dispose of and vote the shares of Common Stock controlled by Opportunities Portfolio GP (which consists of the shares of Common Stock directly held by VGOP) and the shares of Common Stock directly held by DRAGSA 96. Opportunities Parent does not directly own any shares of Common Stock.

Based on Rule 13d-3 of the Act, Opportunities Parent may be deemed to beneficially own the shares of Common Stock directly held by VGOP and DRAGSA 96.

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Opportunities Parent beneficially owns 4,634,606 shares of Common Stock consisting of (i) 3,145,911 shares of Common Stock directly and beneficially owned by VGOP and (ii) 1,488,695 shares of Common Stock directly and beneficially owned by DRAGSA 96.

- C. Opportunities GP
- (a) Amount beneficially owned: 4,634,606
- (b) Percent of Class: 7.0%
- (c) Number of shares as to which such person has:
 - (i) Sole power to vote or to direct the vote: 0
 - (ii) Shared power to vote or to direct the vote: 4,634,606
 - (iii) Sole power to dispose or to direct the disposition of: 0
 - (iv) Shared power to dispose or to direct the disposition of: 4,634,606

Opportunities GP serves as the sole member of Opportunities Portfolio GP and has the authority to dispose of and vote the shares of Common Stock controlled by Opportunities Portfolio GP, which consists of the shares of Common Stock directly held by VGOP. In addition, Opportunities GP is the general partner of each of Viking Global Opportunities Intermediate LP and Viking Global Opportunities LP. The membership interests of DRAGSA 96 are held by Viking Global Opportunities Intermediate LP and Viking Global Opportunities LP. Accordingly, Opportunities GP has the authority to dispose of and vote the shares of Common Stock directly held by DRAGSA 96. Opportunities GP does not directly own any shares of Common Stock.

Based on Rule 13d-3 of the Act, Opportunities GP may be deemed to beneficially own the shares of Common Stock directly held by VGOP and DRAGSA 96.

Opportunities GP beneficially owns 4,634,606 shares of Common Stock consisting of (i) 3,145,911 shares of Common Stock directly and beneficially owned by VGOP and (ii) 1,488,695 shares of Common Stock directly and beneficially owned by DRAGSA 96.

- D. Opportunities Portfolio GP
- (a) Amount beneficially owned: 3,145,911
- (b) Percent of Class: 4.7%
- (c) Number of shares as to which such person has:
 - (i) Sole power to vote or to direct the vote: 0
 - (ii) Shared power to vote or to direct the vote: 3,145,911
 - (iii) Sole power to dispose or to direct the disposition of: 0
 - (iv) Shared power to dispose or to direct the disposition of: 3,145,911

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Opportunities Portfolio GP serves as the general partner of VGOP and has the authority to dispose of and vote the shares of Common Stock directly owned by VGOP. Opportunities Portfolio GP does not directly own any shares of Common Stock.

Based on Rule 13d-3 of the Act, Opportunities Portfolio GP may be deemed to beneficially own the shares of Common Stock directly held by VGOP.

Opportunities Portfolio GP beneficially owns 3,145,911 shares of Common Stock consisting of 3,145,911 shares of Common Stock directly and beneficially owned by VGOP.

E. VGOP

- (a) Amount beneficially owned: 3,145,911
- (b) Percent of Class: 4.7%
- (c) Number of shares as to which such person has:
 - (i) Sole power to vote or to direct the vote: 0
 - (ii) Shared power to vote or to direct the vote: 3,145,911
 - (iii) Sole power to dispose or to direct the disposition of: 0
 - (iv) Shared power to dispose or to direct the disposition of: 3,145,911

VGOP has the authority to dispose of and vote the shares of Common Stock directly owned by it, which power may be exercised by its general partner, Opportunities Portfolio GP, and by VGI, an affiliate of Opportunities Portfolio GP, which provides managerial services to VGOP.

Viking Global Opportunities LP (a Delaware limited partnership) and Viking Global Opportunities III LP (a Cayman Islands exempted limited partnership), through its investment in Viking Global Opportunities Intermediate LP (a Cayman Islands exempted limited partnership), invest substantially all of their assets in Viking Global Opportunities Master LP (a Cayman Islands exempted limited partnership), which in turn invests through VGOP.

- F. DRAGSA 96
- (a) Amount beneficially owned: 1,488,695
- (b) Percent of Class: 2.2%
- (c) Number of shares as to which such person has:
 - (i) Sole power to vote or to direct the vote: 0
 - (ii) Shared power to vote or to direct the vote: 1,488,695
 - (iii) Sole power to dispose or to direct the disposition of: 0
 - (iv) Shared power to dispose or to direct the disposition of: 1,488,695

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DRAGSA 96 has the authority to dispose of and vote the shares of Common Stock directly owned by it, which power may be exercised by Opportunities GP and its general partner, Opportunities Parent, and by VGI, an affiliate of Opportunities GP, which provides managerial services to DRAGSA 96. The membership interests of DRAGSA 96 are held by Viking Global Opportunities Intermediate LP and Viking Global Opportunities LP. Opportunities GP is the general partner of Viking Global Opportunities LP and Viking Global Opportunities Intermediate LP.

- G. O. Andreas Halvorsen, David C. Ott and Rose S. Shabet
- (a) Amount beneficially owned: 4,634,606
- (b) Percent of Class: 7.0%
- (c) Number of shares as to which such person has:
 - (i) Sole power to vote or to direct the vote: 0
 - (ii) Shared power to vote or to direct the vote: 4,634,606
 - (iii) Sole power to dispose or to direct the disposition of: 0
 - (iv) Shared power to dispose or to direct the disposition of: 4,634,606

Mr. Halvorsen, Mr. Ott and Ms. Shabet, as Executive Committee Members of Viking Global Partners LLC (general partner of VGI) and Opportunities Parent, have shared authority to dispose of and vote the shares of Common Stock beneficially owned by VGI and Opportunities Parent. None of Mr. Halvorsen, Mr. Ott and Ms. Shabet directly owns any shares of Common Stock.

Based on Rule 13d-3 of the Act, each may be deemed to beneficially own the shares of Common Stock directly held by VGOP and DRAGSA 96.

Mr. Halvorsen, Mr. Ott and Ms. Shabet each beneficially own 4,634,606 shares of Common Stock consisting of (i) 3,145,911 shares of Common Stock directly and beneficially owned by VGOP and (ii) 1,488,695 shares of Common Stock directly and beneficially owned by DRAGSA 96.

Item 5. Ownership of Five Percent or Less of a Class.

If this statement is being filed to report the fact that as of the date hereof the Reporting Persons have ceased to be the beneficial owner of more than five percent of the class of securities, check the following \Box

Item 6. Ownership of More than Five Percent on Behalf of Another Person.

The response to Item 4 is incorporated by reference herein.

Item 7. Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on by the Parent Holding Company.

Not applicable.

Item 8. Identification and Classification of Members of the Group.

Not applicable.

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<u>Item 9</u> .	Notice of Dissolution of Group.	
	Not applicable.	
<u>Item 10</u> .	Certification. (if filing pursuant to Rule 13d-1(c))	
	By signing below each Reporting Person certifies that, to the best of its knowledge and belief, the securities	

referred to above were not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and not held in connection with or as a participant in any transaction having that purpose or effect.

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SIGNATURES

After reasonable inquiry and to the best of our knowledge and belief, the undersigned certify that the information set forth in this statement is true, complete and correct.

Dated: February 14, 2023

By:	/s/ Scott M. Hendler
Name:	Scott M. Hendler on behalf of O. Andreas Halvorsen (1)
By:	/s/ Scott M. Hendler
Name:	Scott M. Hendler on behalf of David C. Ott (2)
By:	/s/ Scott M. Hendler
Name:	Scott M. Hendler on behalf of Rose S. Shabet (3)

(1) Scott M. Hendler is signing on behalf of O. Andreas Halvorsen, individually and as an Executive Committee Member of VIKING GLOBAL PARTNERS LLC, on behalf of VIKING GLOBAL INVESTORS LP (for itself and as manager of DRAGSA 96 LLC), and as an Executive Committee Member of VIKING GLOBAL OPPORTUNITIES PARENT GP LLC, on behalf of itself and VIKING GLOBAL OPPORTUNITIES GP LLC, VIKING GLOBAL OPPORTUNITIES PORTFOLIO GP LLC, and VIKING GLOBAL OPPORTUNITIES ILLIQUID INVESTMENTS SUB-MASTER LP, pursuant to an authorization and designation letter dated February 9, 2021, which was previously filed with the Commission as an exhibit to a Form 13G filed by Mr. Halvorsen on February 12, 2021 (SEC File No. 005-49737).

(2) Scott M. Hendler is signing on behalf of David C. Ott, individually and as an Executive Committee Member of VIKING GLOBAL PARTNERS LLC, on behalf of VIKING GLOBAL INVESTORS LP (for itself and as manager of DRAGSA 96 LLC), and as an Executive Committee Member of VIKING GLOBAL OPPORTUNITIES PARENT GP LLC, on behalf of itself and VIKING GLOBAL OPPORTUNITIES GP LLC, VIKING GLOBAL OPPORTUNITIES PORTFOLIO GP LLC, and VIKING GLOBAL OPPORTUNITIES ILLIQUID INVESTMENTS SUB-MASTER LP, pursuant to an authorization and designation letter dated February 9, 2021, which was previously filed with the Commission as an exhibit to a Form 13G filed by Mr. Ott on February 12, 2021 (SEC File No. 005-49737).

(3) Scott M. Hendler is signing on behalf of Rose S. Shabet, individually and as an Executive Committee Member of VIKING GLOBAL PARTNERS LLC, on behalf of VIKING GLOBAL INVESTORS LP (for itself and as manager of DRAGSA 96 LLC), and as an Executive Committee Member of VIKING GLOBAL OPPORTUNITIES PARENT GP LLC, on behalf of itself and VIKING GLOBAL OPPORTUNITIES GP LLC, VIKING GLOBAL OPPORTUNITIES PORTFOLIO GP LLC, and VIKING GLOBAL OPPORTUNITIES ILLIQUID INVESTMENTS SUB-MASTER LP, pursuant to an authorization and designation letter dated February 9, 2021, which was previously filed with the Commission as an exhibit to a Form 13G filed by Ms. Shabet on February 12, 2021 (SEC File No. 005-49737).

CUSIP No. 03237H101

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EXHIBIT A - JOINT FILING AGREEMENT

This joint filing agreement is made and entered into as of this 14th day of February, 2023, by and among Viking Global Investors LP, Viking Global Opportunities Parent GP LLC, Viking Global Opportunities GP LLC, Viking Global Opportunities Portfolio GP LLC, Viking Global Opportunities Illiquid Investments Sub-Master LP, DRAGSA 96 LLC, O. Andreas Halvorsen, David C. Ott and Rose S. Shabet.

The parties to this Agreement hereby agree to prepare jointly and file timely (and otherwise to deliver as appropriate) all filings on any Forms 3, 4, or 5 or Schedules 13D or 13G, and any and all amendments thereto and any other documents relating thereto (collectively, the "Filings") as required to be filed pursuant to the Securities Exchange Act of 1934, as amended. The parties to this Agreement further agree and covenant that each will fully cooperate with such other parties in the preparation, timely filing, and delivery of all such Filings.

IN WITNESS WHEREOF, the parties hereto have executed this agreement as of the date first set forth above.

Dated: February 14, 2023

By:	/s/ Scott M. Hendler
Name:	Scott M. Hendler on behalf of O. Andreas Halvorsen (1)
By:	/s/ Scott M. Hendler
Name:	Scott M. Hendler on behalf of David C. Ott (2)
	South. Hender on bendir of Buvia C. Ou (2)
By:	/s/ Scott M. Hendler
Name:	Scott M. Hendler on behalf of Rose S. Shabet (3)

(1) Scott M. Hendler is signing on behalf of O. Andreas Halvorsen, individually and as an Executive Committee Member of VIKING GLOBAL PARTNERS LLC, on behalf of VIKING GLOBAL INVESTORS LP (for itself and as manager of DRAGSA 96 LLC), and as an Executive Committee Member of VIKING GLOBAL OPPORTUNITIES PARENT GP LLC, on behalf of itself and VIKING GLOBAL OPPORTUNITIES GP LLC, VIKING GLOBAL OPPORTUNITIES PORTFOLIO GP LLC, and VIKING GLOBAL OPPORTUNITIES ILLIQUID INVESTMENTS SUB-MASTER LP, pursuant to an authorization and designation letter dated February 9, 2021, which was previously filed with the Commission as an exhibit to a Form 13G filed by Mr. Halvorsen on February 12, 2021 (SEC File No. 005-49737).

(2) Scott M. Hendler is signing on behalf of David C. Ott, individually and as an Executive Committee Member of VIKING GLOBAL PARTNERS LLC, on behalf of VIKING GLOBAL INVESTORS LP (for itself and as manager of DRAGSA 96 LLC), and as an Executive Committee Member of VIKING GLOBAL OPPORTUNITIES PARENT GP LLC, on behalf of itself and VIKING GLOBAL OPPORTUNITIES GP LLC, VIKING GLOBAL OPPORTUNITIES PORTFOLIO GP LLC, and VIKING GLOBAL OPPORTUNITIES ILLIQUID INVESTMENTS SUB-MASTER LP, pursuant to an authorization and designation letter dated February 9, 2021, which was previously filed with the Commission as an exhibit to a Form 13G filed by Mr. Ott on February 12, 2021 (SEC File No. 005-49737).

(3) Scott M. Hendler is signing on behalf of Rose S. Shabet, individually and as an Executive Committee Member of VIKING GLOBAL PARTNERS LLC, on behalf of VIKING GLOBAL INVESTORS LP (for itself and as manager of DRAGSA 96 LLC), and as an Executive Committee Member of VIKING GLOBAL OPPORTUNITIES PARENT GP LLC, on behalf of itself and VIKING GLOBAL OPPORTUNITIES GP LLC, VIKING GLOBAL OPPORTUNITIES PORTFOLIO GP LLC, and VIKING GLOBAL OPPORTUNITIES ILLIQUID INVESTMENTS SUB-MASTER LP, pursuant to an authorization and designation letter dated February 9, 2021, which was previously filed with the Commission as an exhibit to a Form 13G filed by Ms. Shabet on February 12, 2021 (SEC File No. 005-49737).