ASSISTANT SECRETARY CERTIFICATE

I, Michelle L. Bratzke, do hereby certify that:

1. I am a duly appointed and qualified Assistant Secretary of AbbVie Bioresearch Center Inc. and acting as such; that AbbVie Bioresearch Center Inc. is a corporation organized and existing under the laws of the State of Delaware with its principal office at 1 N. Waukegan Road, North Chicago, Illinois, USA and its registered address at 1521 Concord Pike Suite 201, Wilmington, DE 19803, New Castle County, USA;

2. I am a keeper of its books and records and its corporate seal; and

3. Attached as Exhibit A hereto is a true, complete, and current copy of the Unanimous Written Consent appointing officers and delegating signature authority to Lindsey Bristow for AbbVie Bioresearch Center Inc. by Sole Director and President, Scott T. Reents;

4. Attached as Exhibit B hereto is a true, complete, and certified copy of the Certificate of Incorporation;

5. Attached as Exhibit C hereto is a true and current is a true, complete, and current copy of the Unanimous Written Consent changing the registered address of AbbVie Bioresearch Center Inc;

6. Attached as Exhibit D hereto is a true and current is a true, complete, and current copy of the Unanimous Written Consent changing the principal place of business of AbbVie Bioresearch Center Inc;

7. Attached as Exhibit E hereto is a true and current is a true, complete, and current copy of a Good Standing for AbbVie Bioresearch Center Inc.

IN WITNESS WHEROF, I have subscribed my name as Assistant Secretary and have caused the corporate seal of AbbVie Bioresearch Center Inc. to be hereunto affixed this 5 day of September 2025.

Michelle L. Bratzke

Michelle L. Bratzke
Assistant Secretary

Exhibit A

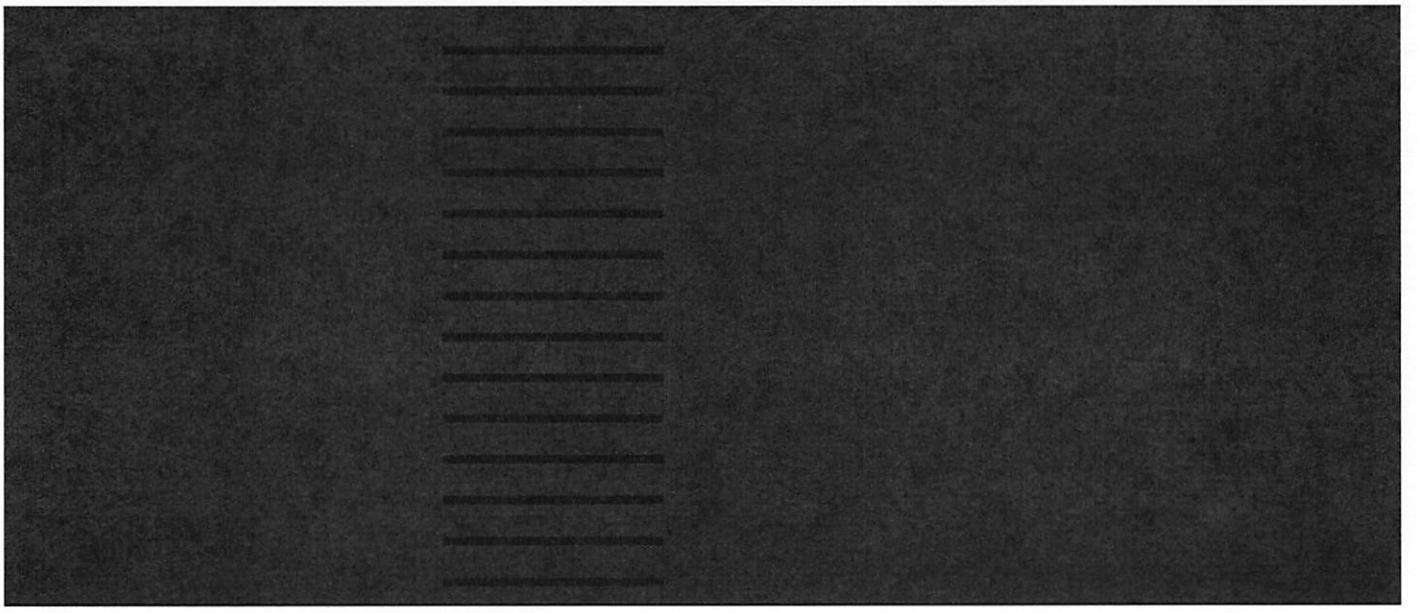
ACTION TAKEN BY
UNANIMOUS WRITTEN CONSENT OF THE BOARD OF DIRECTORS OF
ABBVIE BIORESEARCH CENTER INC.

The undersigned, being the sole director of AbbVie Bioresearch Center Inc., a corporation duly organized and validly existing under the laws of the State of Delaware (the "Corporation"), acting by unanimous written consent and in accordance with the provisions of Section 141(f) of the General Corporation Law of the State of Delaware does hereby consent to the adoption of the following resolutions to be effective March 15, 2025, unless specified otherwise.

Re: **Election of Officers**

RESOLVED, that the following persons are the duly elected officers of the Corporation, holding the offices set forth opposite their respective names, and will hold office until their respective successors are elected and qualified at or before the first annual meeting of the Board of Directors, or until their earlier respective death, resignation or removal:

Scott T. Reents	President
Lindsey Bristow	Vice President
Stefan Geldmeyer	Treasurer
Wayne Klintworth	Assistant Treasurer
Emily A. Weith	Secretary
Johanna M. Corbin	Assistant Secretary
Michelle L. Bratzke	Assistant Secretary



Re: **Tax Delegation of Authority**

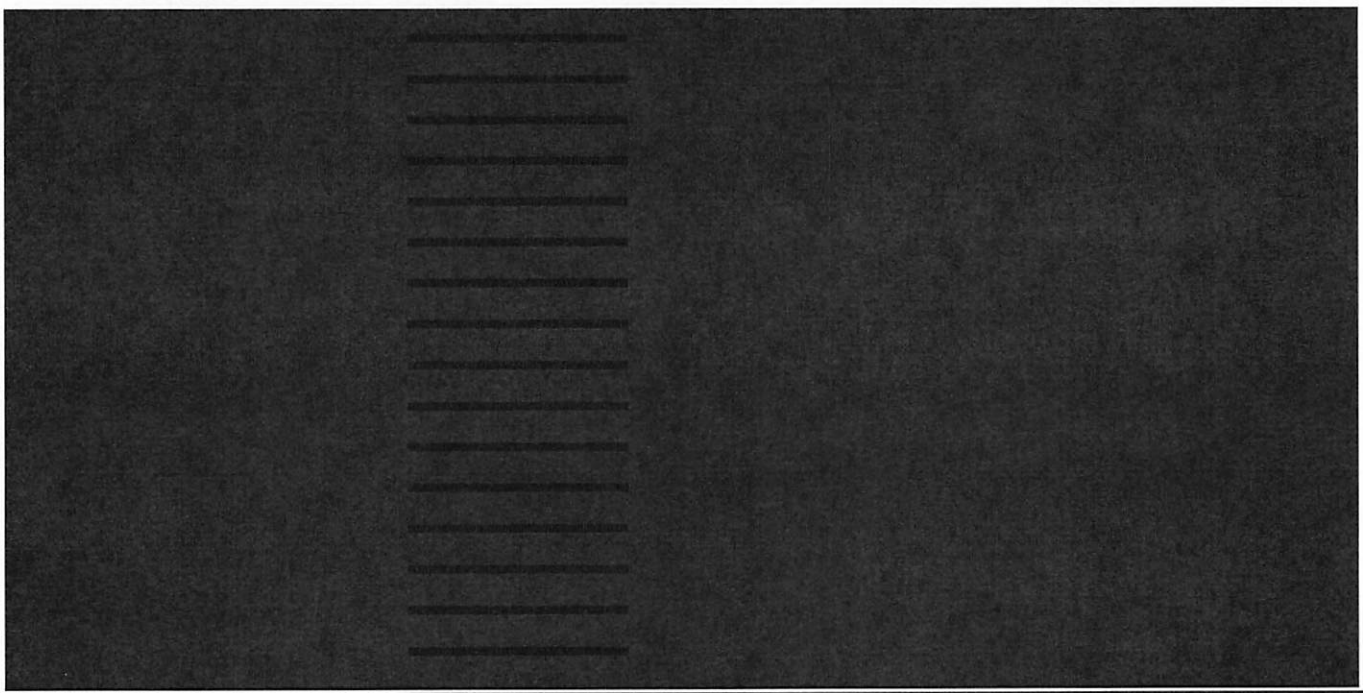
RESOLVED, that Lindsey Bristow, Senior Vice President, Tax and Financial Services, AbbVie Inc. ("AbbVie"); Timothy Hale, VP, Tax and Trade Compliance, AbbVie; James Beatty, Senior Director, Tax, AbbVie; Adam Johnson, Senior Director, Tax, AbbVie; Joseph Coughlin, Director, CFO Initiatives,

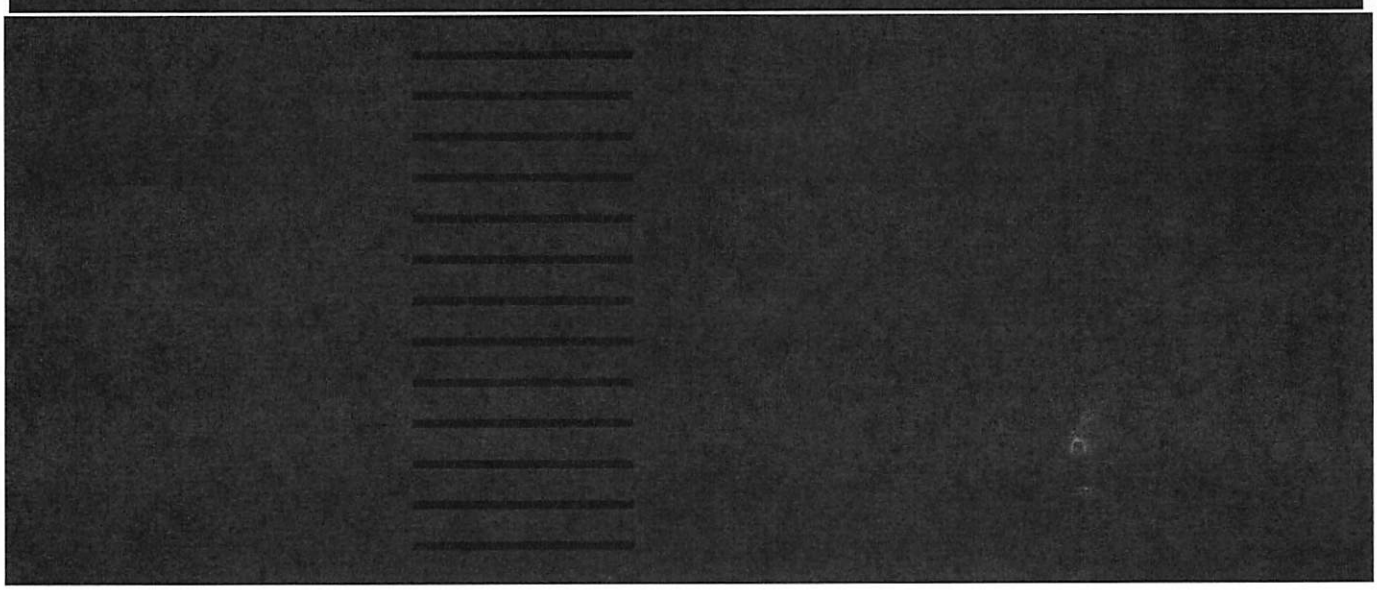
AbbVie; John Henry, Senior Manager, Sales & Use Tax, AbbVie; are hereby delegated the authority to sign on behalf of the Corporation, without countersignature, state and local tax returns, business licenses, annual reports, and related forms (collectively, the "Tax Authority");

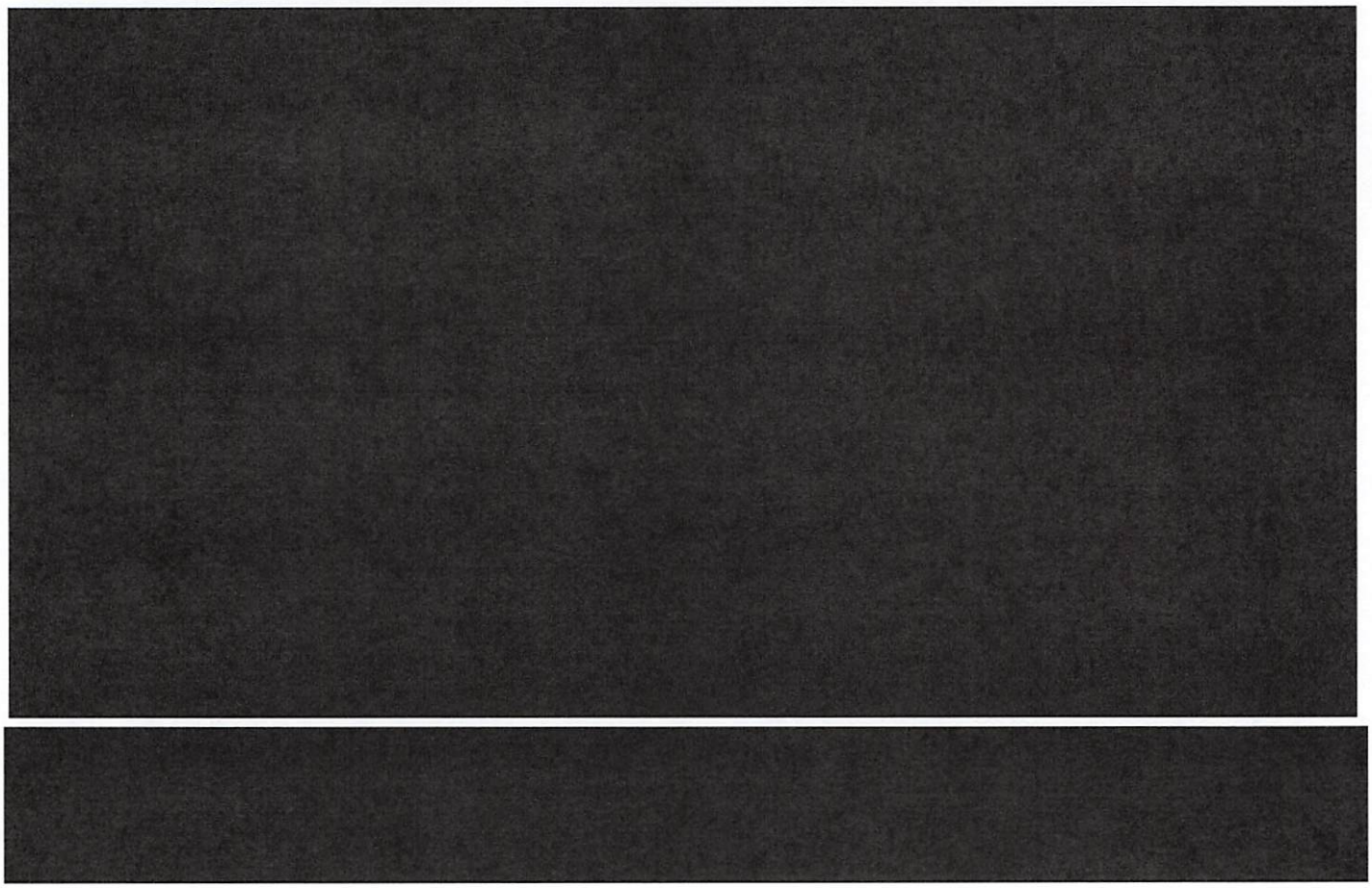
FURTHER RESOLVED, that all actions previously taken by Ms. Bristow, Mr. Hale, Mr. Beatty, Mr. Johnson, Mr. Coughlin and Mr. Henry that are approved by the foregoing resolution, are hereby ratified and approved;

FURTHER RESOLVED, that Ms. Bristow, Mr. Hale, Mr. Beatty, Mr. Johnson, Mr. Coughlin, and Mr. Henry may further delegate the Tax Authority in writing; and

FURTHER RESOLVED, that the Tax Authority shall expire automatically with respect to any one of the individual delegates upon he or she ceasing to be an employee of AbbVie.







IN WITNESS WHEREOF, the undersigned, being the Sole Director of the Corporation has executed these resolutions effective as of the date herein.

Scott T. Reents

Exhibit B

Delaware

The First State

I, CHARUNI PATIBANDA-SANCHEZ, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE RESTATED CERTIFICATE OF "ABBVIE BIORESEARCH CENTER INC.", FILED IN THIS OFFICE ON THE EIGHTH DAY OF NOVEMBER, A.D. 2012, AT 6:49 O`CLOCK P.M.

C. P. Sanchez

Charuni Patibanda-Sanchez, Secretary of State

2195663 8100
SR# 20253592900

Authentication: 204406291
Date: 08-06-25

You may verify this certificate online at corp.delaware.gov/authver.shtml

State of Delaware
Secretary of State
Division of Corporations
Delivered 06:51 PM 11/08/2012
FILED 06:49 PM 11/08/2012
SRV 121211136 - 2195663 FILE

Amended and Restated

Certificate of Incorporation

of

AbbVie Bioresearch Center Inc.

(Pursuant to Section 228, 242 and 245 of the
General Corporation Law of the State of Delaware)

AbbVie Bioresearch Center Inc., a corporation organized and existing under the General Corporation Laws of the State of Delaware (the "DGCL"),

DOES HEREBY CERTIFY:

First: The name of the Corporation is AbbVie Bioresearch Center Inc. (the "Corporation"). The Certificate of Incorporation was originally filed with the Secretary of State of Delaware as BASF Bioresearch Corporation on May 8, 1989, amended on March 2, 2001 and amended on November 1, 2012.

Second: This Amended and Restated Certificate of Incorporation was duly adopted by the board of directors and the stockholders of this corporation in accordance with Section 141(f), 228, 242, and 245 of the Delaware General Corporation Law.

Third: This Certificate of Incorporation is hereby amended and restated in its entirety as follows:

FIRST: The name of the corporation is AbbVie Bioresearch Center Inc. (the "Corporation).

SECOND: The address of the registered office of the Corporation in the State of Delaware is 1209 Orange Street, in the City of Wilmington, County of New Castle, 19801. The name of its registered agent at that address is The Corporation Trust Company.

THIRD: The purpose of the Corporation is to engage in any lawful act or activity for which a corporation may be organized under the General Corporation Law of the State of Delaware (as amended from time to time, the "DGCL").

FOURTH: The total number of shares of stock which the Corporation shall have authority to issue is 1,000 shares of capital stock, all of which shall be common stock of one class without par value.

FIFTH: The following provisions are inserted for the management of the business and the conduct of the affairs of the Corporation, and for further definition,

limitation and regulation of the powers of the Corporation and of its directors and stockholders:

(1) The business and affairs of the Corporation shall be managed by or under the direction of the Board of Directors.

(2) The board of directors is expressly authorized to make, alter, amend, change, add to or repeal the By-Laws of the Corporation, without any action on the part of the stockholders, but the stockholders may make additional By-Laws and may alter, amend or repeal any By-Law whether adopted by them or otherwise.

(3) The number of directors of the Corporation shall be as from time to time fixed by, or in the manner provided in, the By-Laws of the Corporation. Election of directors need not be by written ballot unless the By-Laws so provide.

(4) No director shall be personally liable to the Corporation or any of its stockholders for monetary damages for breach of fiduciary duty as a director, except for liability (i) for any breach of the director's duty of loyalty to the Corporation or its stockholders, (ii) for acts or omissions not in good faith or which involve intentional misconduct or a knowing violation of law, (iii) pursuant to Section 174 of the DGCL or (iv) for any transaction from which the director derived an improper personal benefit. Any repeal or modification of this clause (4) FIFTH Article shall not adversely affect any right or protection of a director of the Corporation existing at the time of such repeal or modification with respect to acts or omissions occurring prior to such repeal or modification.

SIXTH: The Corporation shall indemnify its directors and officers against all expense, liability and loss reasonably incurred or suffered by such persons in connection with their service as a director or officer, as applicable, of the Corporation, or their service at the request of the Corporation as a director, officer, employee or agent of another corporation or other enterprise, to the fullest extent authorized or permitted by the DGCL as the same exists or may hereafter be amended or modified from time to time (but, in the case of any such amendment or modification, only to the extent that such amendment or modification permits the Corporation to provide broader indemnification rights than said law permitted the Corporation to provide prior to such amendment or modification), and such right to indemnification shall continue as to a person who has ceased to be a director or officer of the Corporation and shall inure to the benefit of his or her heirs, executors and personal and legal representatives; provided, however, that, except for proceedings to enforce rights to indemnification, the Corporation shall not be obligated to indemnify any director or officer (or his or her heirs, executors or personal or legal representatives) in connection with a proceeding (or part thereof) initiated by such person unless such proceeding (or part thereof) was authorized or consented to by the Board of Directors. The right to indemnification conferred by this SIXTH Article shall be a contract right and shall include the right to be paid by the Corporation the expenses

incurred in defending or otherwise participating in any proceeding in advance of its final disposition; provided, however, that if the DGCL requires, the payment of such expenses incurred by a director or officer in his or her capacity as a director or officer in advance of the final disposition of a proceeding shall be made only upon delivery to the Corporation of an undertaking, by or on behalf of such director or officer, to repay all amounts so advanced if it shall ultimately be determined that such director or officer is not entitled to be indemnified under this SIXTH Article or otherwise.

The Corporation may, to the extent authorized from time to time by the Board of Directors, provide rights to indemnification and to the advancement of expenses to employees and agents of the Corporation similar to those conferred in this SIXTH Article to directors and officers of the Corporation.

The rights to indemnification and to the advance of expenses conferred in this SIXTH Article shall not be exclusive of any other right which any person may have or hereafter acquire under this Certificate of Incorporation, the By-Laws of the Corporation, any statute, agreement, vote of stockholders or disinterested directors or otherwise.

Any repeal or modification of this SIXTH Article by the stockholders of the Corporation shall not adversely affect any rights to indemnification and to the advancement of expenses of a director or officer of the Corporation existing at the time of such repeal or modification with respect to any acts or omissions occurring prior to such repeal or modification.

SEVENTH: Meetings of stockholders may be held within or without the State of Delaware, as the By-Laws may provide. The books of the Corporation may be kept (subject to any provision of the DGCL) outside the State of Delaware at such place or places as may be designated from time to time by the Board of Directors or in the By-Laws of the Corporation.

EIGHTH: The Corporation reserves the right to amend, alter, change or repeal any provision contained in this Certificate of Incorporation, in the manner now or hereafter prescribed by statute, and all rights, preferences and privileges of whatsoever nature conferred upon stockholders, directors or any other persons whomsoever by and pursuant to this Certificate of Incorporation in its present form or as hereafter amended are granted subject to this reservation.

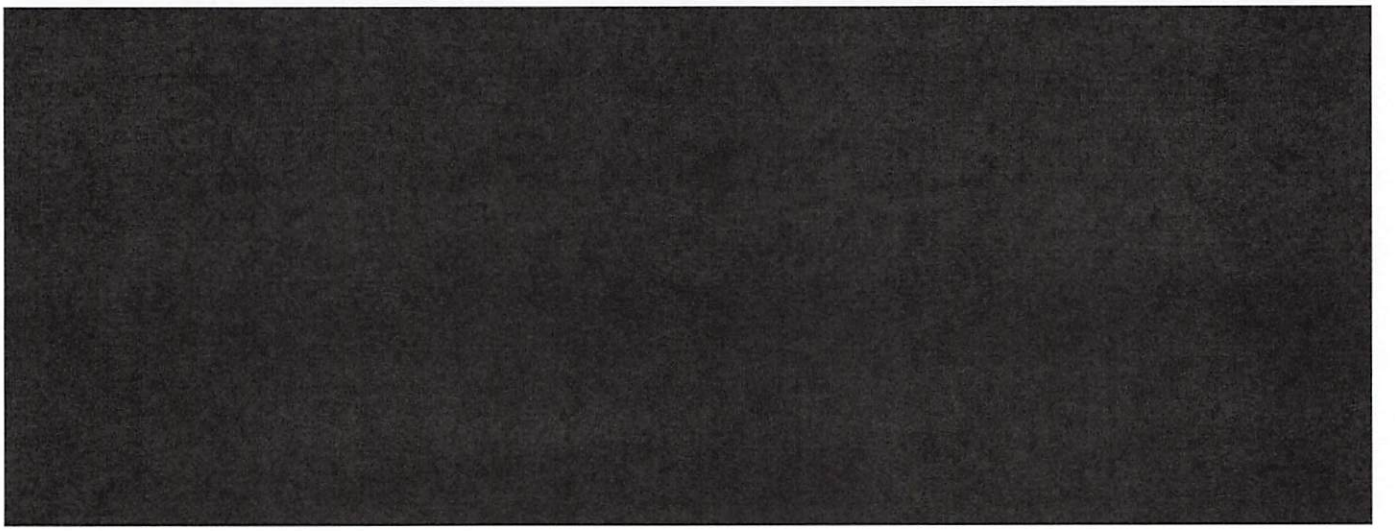
IN WITNESS WHEREOF, this Amended and Restated Certificate of Incorporation has been executed by a duly authorized officer of the Corporation on this 7 day of November, 2012.

Name: Thomas C. Freyman
Title: President

Exhibit C

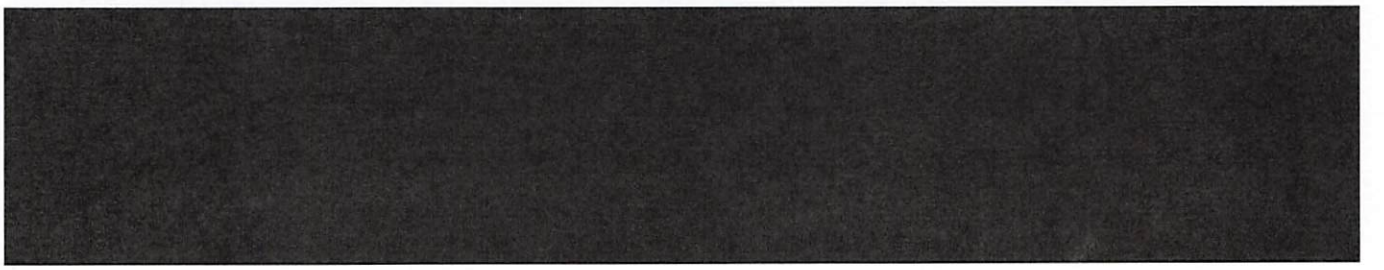
ACTION TAKEN BY
UNANIMOUS WRITTEN CONSENT OF THE BOARD OF DIRECTORS OF
ABBVIE BIORESEARCH CENTER INC.

The undersigned, being the sole director of AbbVie Bioresearch Center Inc., a corporation duly organized and validly existing under the laws of the State of Delaware (the "Company"), acting by unanimous written consent and in accordance with the provisions of Section 141(f) of the General Corporation Law of the State of Delaware does hereby consent to the adoption of the following resolutions to be effective November 20, 2023, unless specified otherwise.



Re: Registered Address

RESOLVED, effective November 20, 2023, the registered address is 1521 Concord Pike Suite 201, Wilmington, DE 19803



IN WITNESS WHEREOF, the undersigned, being the Sole Director of the Company has executed these resolutions effective as of the date herein.

Scott T. Reents
March 6, 2024

Exhibit D

ACTION TAKEN BY
UNANIMOUS WRITTEN CONSENT OF THE BOARD OF DIRECTORS OF ABBVIE BIORESEARCH CENTER INC.

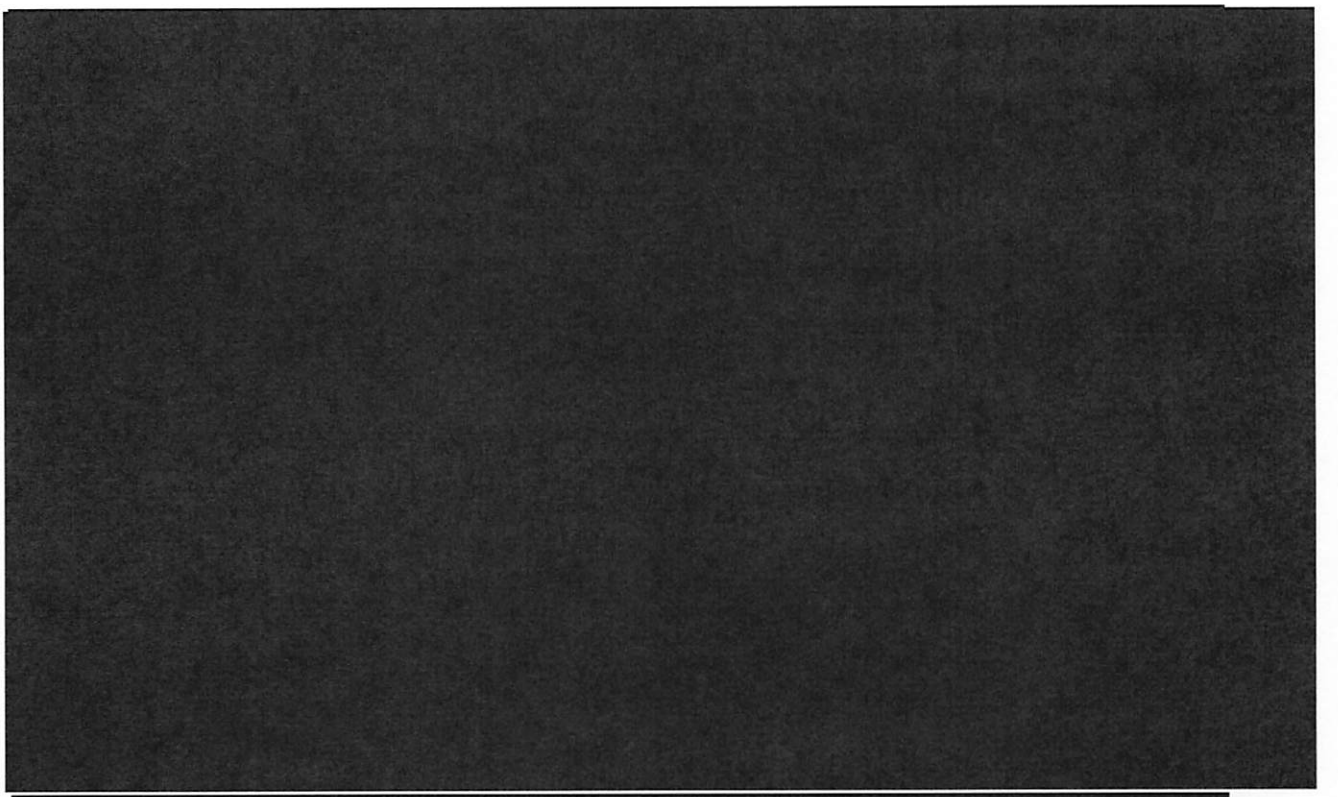
The undersigned, being the sole director of AbbVie Bioresearch Center Inc., a corporation duly organized and validly existing under the laws of the State of Delaware (the "Company"), acting by unanimous written consent and in accordance with the provisions of Section 141(f) of the General Corporation Law of the State of Delaware does hereby consent to the adoption of the following resolutions to be effective August 1, 2021.

[redacted]

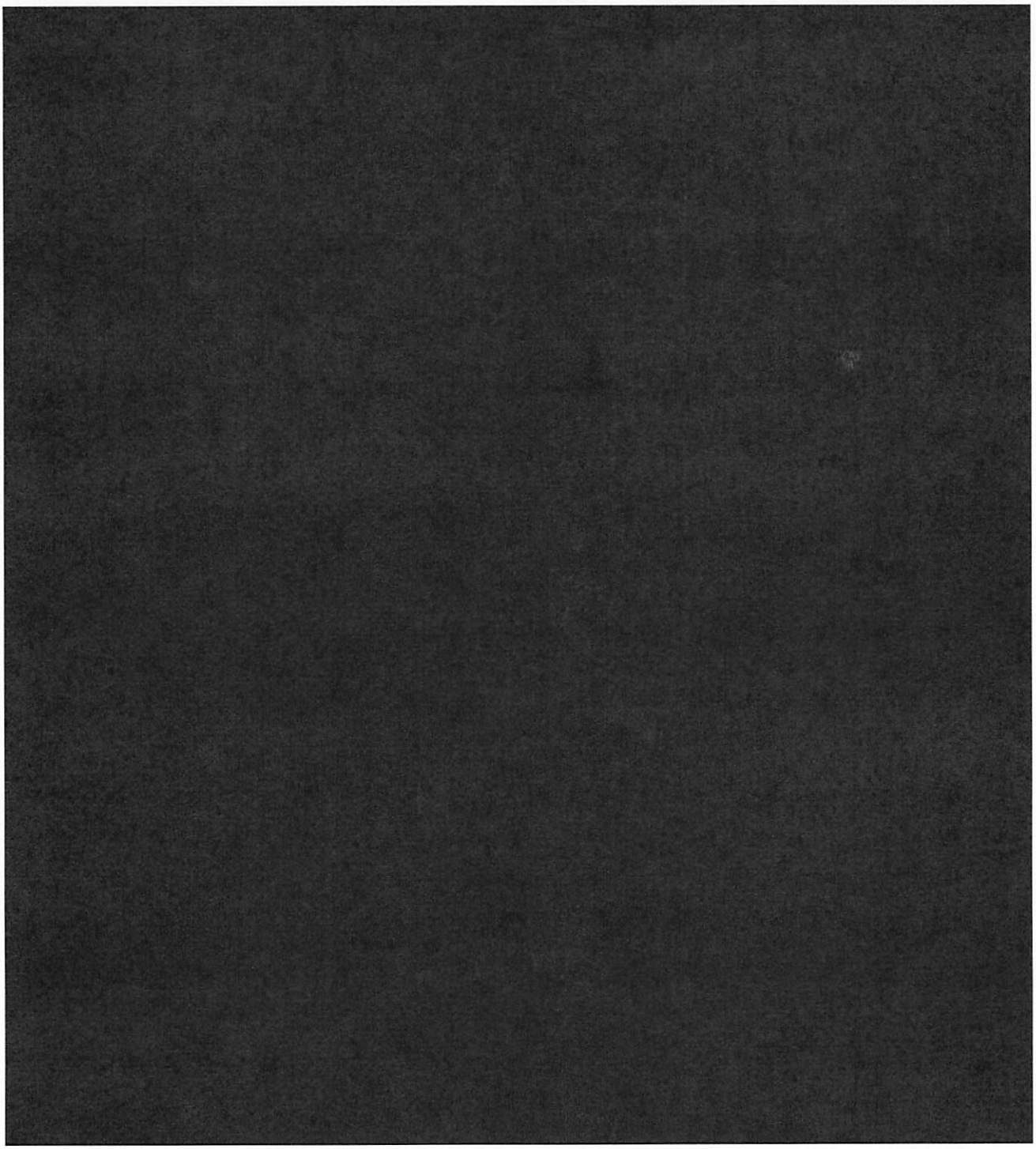
Re: **Principal Address**

RESOLVED, the principal address is located at 1 N. Waukegan Road, North Chicago, Illinois 60064.

[redacted]







IN WITNESS WHEREOF, the undersigned, being the Sole Director of the Company has executed these resolutions effective as of the date herein.

Robert A. Michael
August 1, 2021

Exhibit E

Delaware

The First State

I, CHARUNI PATIBANDA-SANCHEZ, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY "ABBVIE BIORESEARCH CENTER INC." IS DULY INCORPORATED UNDER THE LAWS OF THE STATE OF DELAWARE AND IS IN GOOD STANDING AND HAS A LEGAL CORPORATE EXISTENCE SO FAR AS THE RECORDS OF THIS OFFICE SHOW, AS OF THE TWENTY-SEVENTH DAY OF AUGUST, A.D. 2025.

AND I DO HEREBY FURTHER CERTIFY THAT THE ANNUAL REPORTS HAVE BEEN FILED TO DATE.

AND I DO HEREBY FURTHER CERTIFY THAT THE SAID "ABBVIE BIORESEARCH CENTER INC." WAS INCORPORATED ON THE EIGHTH DAY OF MAY, A.D. 1989.

AND I DO HEREBY FURTHER CERTIFY THAT THE FRANCHISE TAXES HAVE BEEN PAID TO DATE.

C. B. Sanchez

Charuni Patibanda-Sanchez, Secretary of State

2195663 8300

SR# 20253802378

Authentication: 204589420

Date: 08-27-25

You may verify this certificate online at corp.delaware.gov/authver.shtml