

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

INTAS PHARMACEUTICALS LTD.,
Petitioner

v.

ATOSSA THERAPEUTICS, INC.,
Patent Owner

Case IPR2025-00799
Patent 11,261,151

DECLARATION OF SAYEM OSMAN

I, Sayem Osman, make the following Declaration pursuant to 28 U.S.C. § 1746:

1. I am a paralegal at the law firm of Groombridge, Wu, Baughman & Stone LLP.
2. I provide this Declaration in connection with the above-identified Patent Owner's Response to the *Inter Partes* Review proceeding that has been requested at the U.S. Patent and Trademark Office by Petitioners under 35 U.S.C. §§ 311-319, 37 C.F.R. § 42. Unless otherwise stated, the facts stated in this Declaration are based on my personal knowledge.
3. EX2031 hereto is a true and correct copy of the deposition transcript of William Mayo, Ph.D. dated January 9, 2026. An exhibit label and page numbers have been added to the bottom of this document, but no other alterations have been made.
4. EX2032 hereto is a true and correct copy of the deposition transcript of Jason McConville, Ph.D. dated January 16, 2026. An exhibit label and page numbers have been added to the bottom of this document, but no other alterations have been made.
5. EX2033 hereto is a true and correct copy of the deposition transcript of Ron Bihovsky, Ph.D. dated January 20, 2026. An exhibit label and page numbers have been added to the bottom of this document, but no other alterations have been made.
6. EX2034 hereto is a true and correct copy of S.R. Logan's article titled, "*The Origin and Status of the Arrhenius Equation*," 4 J. Chem. Ed. 279 (1982), which I

retrieved on January 23, 2026 from https://web.iitd.ac.in/~nkurur/2015-16/Isem/cml103/Logan_Arrhenius_origin_status.pdf. An exhibit label and page numbers have been added to the bottom of this document, but no other alterations have been made.

7. EX2035 hereto is a true and correct copy of Edina Vranic's article titled, "*Recent Advances in the Identification and Prediction of Polymorphs*," 3 Bosnian J. of Basic Med. Sciences 32 (2003), which I retrieved on January 23, 2026 from <https://www.bjbms.org/ojs/index.php/bjbms/article/view/3525/1052>. An exhibit label and page numbers have been added to the bottom of this document, but no other alterations have been made.

8. EX2036 hereto is a true and correct copy of Trevor Laird's article titled, "*Polymorphism and Impurities*," 8 Organic Process Research & Development 301 (2004), which I retrieved on January 23, 2026 from https://pubs.acs.org/doi/pdf/10.1021/op0499268?ref=article_openPDF. An exhibit label and page numbers have been added to the bottom of this document, but no other alterations have been made.

9. EX2037 hereto is a true and correct copy of Masaki Okamoto, et al.'s article titled, "*The Effects of Impurities on Crystallization of Polymorphs of a Drug Substance AEI-923*," 37 J. of Chem. Engineering of Japan 1224 (2004), which I retrieved on January 23, 2026 from

[https://www.researchgate.net/publication/244737375_The_Effects_of_Impurities_o
n_Crystallization_of_Polymorphs_of_a_Drug_Substance_AE1-923](https://www.researchgate.net/publication/244737375_The_Effects_of_Impurities_on_Crystallization_of_Polymorphs_of_a_Drug_Substance_AE1-923). An exhibit label and page numbers have been added to the bottom of this document, but no other alterations have been made.

10. EX2038 hereto is a true and correct copy of Eun Hee Lee's article titled, "*A Practical Guide to Pharmaceutical Polymorph Screening & Selection*," 9 Asian Journal of Pharmaceutical Sciences 164 (2014), which I retrieved on January 23, 2026 from <https://www.sciencedirect.com/science/article/pii/S1818087614000245>. An exhibit label and page numbers have been added to the bottom of this document, but no other alterations have been made.

11. EX2039 hereto is a true and correct copy of H. Sharma et al.'s article titled, "*Preferential Nucleation during Polymorphic Transformations*," Nature Scientific Reports (2016), which I retrieved on January 23, 2026 from <https://www.nature.com/articles/srep30860>. An exhibit label and page numbers have been added to the bottom of this document, but no other alterations have been made.

12. EX2040 hereto is a true and correct copy of Priyanka Maurya et al.'s article titled, "*Pharmaceutical Polymorphism: The Phenomenon Affecting the Performance of Drug and an Approach to Enhance Drug Solubility, Stability and Bioavailability*," World Journal of Pharmaceutical Sciences (2016), which I

retrieved on January 23, 2026 from

<https://www.researchgate.net/publication/382595752> Pharmaceutical polymorphisms The phenomenon affecting the performance of drug and an approach to enhance drug solubility stability and bioavailability. An exhibit label and page numbers have been added to the bottom of this document, but no other alterations have been made.

13. EX2041 hereto is a true and correct copy of John Spencer Evans's article titled, "*Polymorphs, Proteins, and Nucleation Theory: A Critical Analysis*," 7 Minerals 62 (2017), which I retrieved on January 23, 2026 from

<https://www.mdpi.com/2075-163X/7/4/62>. An exhibit label and page numbers have been added to the bottom of this document, but no other alterations have been made.

14. EX2042 hereto is a true and correct copy of an excerpt of the International Patent Application No. WO 2023 /137044A2, which I retrieved on January 26, 2026 from https://patentimages.storage.googleapis.com/7c/f8/21/b9430da09c41a1/HK4010976_2A.pdf. An exhibit label and page numbers have been added to the bottom of this document, but no other alterations have been made.

15. EX2050 hereto is a true and correct copy of William E. Brown et al.'s article titled, "*USP and Dissolution—20 Years of Progress*," Dissolution Technologies (2014), which was an exhibit to the deposition of Dr. Jason McConville and which I

retrieved on January 26, 2026 from

<https://planetdepos.reporterbase.com/Contact/Index>. An exhibit label and page numbers have been added to the bottom of this document, but no other alterations have been made.

16. I have been warned that willful false statements and the like are punishable by fine or imprisonment, or both. I make this declaration of my own personal knowledge, and all statements are true. If called to testify as to the truth of the matters stated herein, I could and would testify competently.

I declare under penalty of perjury under the laws of the United States that the foregoing is true and correct.

Executed on January 26, 2026.

/s/Sayem Osman
Sayem Osman