UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

DR. REDDY'S LABORATORIES, LTD. AND DR. REDDY'S LABORATORIES, INC.,
Petitioners,

v.

MONOSOL RX, LLC,
Patent Owner.

Case No. IPR2016-XXXXX

DECLARATION OF RUSSELL J. MUMPER, Ph.D. IN SUPPORT OF PETITION FOR *INTER PARTES* REVIEW OF U.S. PATENT NO. 8,017,150

"POLYETHYLENE OXIDE-BASED FILMS AND DRUG DELIVERY SYSTEMS MADE THEREFROM"

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1. My name is Russell J. Mumper. I have been retained by counsel for Petitioner Dr. Reddy's Laboratories, Inc. and Dr. Reddy's Laboratories, Ltd. (collectively – "Dr. Reddy's"). I understand that Dr. Reddy's is petitioning for *inter partes* review of U.S. Patent No. 8,017,150 (the "'150 patent"), which is owned by MonoSol RX, LLC. I further understand that Dr. Reddy's will request that the United States Patent and Trademark Office ("USPTO") cancel certain claims of the '150 patent as unpatentable. I submit this expert declaration, which addresses and supports Dr. Reddy's petition.

I. QUALIFICATIONS AND BACKGROUND

A. Education and Experience; Prior Testimony

2. Currently, I am the Vice Provost for Academic Affairs for University of Georgia at Athens, with more than 25 years of combined research, product development and teaching experience in the pharmaceutical sciences. I have been on the faculty at University of Georgia in Athens, Georgia since 2014, where I hold full Professor positions (with tenure) in both the College of Pharmacy and the College of Engineering. Prior to my employment at the University of Georgia, I was the John A. McNeill Distinguished Professor in the Division of Molecular Pharmaceutics at the University of North Carolina's ("UNC") Eshelman School of Pharmacy in Chapel Hill, NC. At UNC, I was also the founding Director of the Center for Nanotechnology in Drug Delivery and Co-Director of UNC's Institute

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