



AllianceBernstein L.P. Attestation in Connection with Executive Order 14032

In connection with the Executive Order 14032 Addressing the Threat from Securities Investments that Finance Certain Companies of the People's Republic of China issued on June 03, 2021 (the “Executive Order”), AllianceBernstein L.P. (“AB”) hereby certifies that:

1. As of August 02, 2021, AB will comply with the terms of the Executive Order and will comply with any future amendments to the Executive Order;
2. As of June 03, 2022, no commingled investment funds (e.g., exchanged-traded funds, mutual funds, money market funds, closed-end funds) which AB sponsors, advises, or manages, that are available for purchase by any U.S. persons subject to the Executive Order, will own or otherwise hold an interest in, any security the purchase for value of which after August 02, 2021 would be prohibited by the terms of the Executive Order (a “Prohibited Security”);
3. AB will not cause or permit such commingled investment funds to purchase a Prohibited Security; and
4. AB understands and acknowledges that third parties are relying on this Attestation in support of their own compliance with the terms of the Executive Order.