

**UNITED STATES OF AMERICA
BEFORE FEDERAL TRADE COMMISSION**

**COMMISSIONERS: Jon Leibowitz, Chairman
 William E. Kovacic
 J. Thomas Rosch
 Edith Ramirez
 Julie Brill**

In the Matter of

**AGILENT TECHNOLOGIES, INC.,
a corporation.**

Docket No. C-

COMPLAINT

Pursuant to the Clayton Act and the Federal Trade Commission Act, and its authority thereunder, the

II. THE ACQUIRED COMPANY

4. Varian is a corporation organized, existing and doing business under and by virtue of the laws of the State of Delaware, with its headquarters address at 3120 Hansen Way, Palo Alto, California 94304.

5. Varian is engaged in, among other things, the production and sale of micro gas chromatography instruments, triple quadrupole gas chromatography-mass spectrometry instruments, and inductively coupled plasma-mass spectrometry instruments.

III. PROPOSED ACQUISITION

6. Pursuant to an Agreement and Plan of Merger (the “Agreement”) dated July 26, 2009, Agilent announced its intention to acquire the stock of Varian for \$1.5 billion (the “Acquisition”).

IV. RELEVANT MARKETS

7. For the purposes of this Complaint, the relevant lines of commerce in which to analyze the effects of the Acquisition are the manufacture and sale of the following products: (a) micro gas chromatography instruments; (b) triple quadrupole gas chromatography-mass spectrometry instruments; and (c) inductively coupled plasma-mass spectrometry instruments.

- a. Micro gas chromatography instruments are portable gas chromatography instruments that are used primarily in the oil, mining, and waste disposal industries to detect the presence of certain toxins in air or in emissions. Unlike other types of gas chromatography equipment, these instruments are designed to be used in the field, and therefore are small and light enough to be portable, and sufficiently robust to withstand travel and field use in a variety of environments.
- b. Triple quadrupole gas chromatography-mass spectrometry instruments combine a gas chromatograph with a triple quadrupole mass spectrometer. They are extraordinarily sensitive devices that provide molecular-level analysis of the components of a sample and are commonly used to test for pesticides in food, drugs in blood, and environmental contaminants, such as lead, in drinking water.
- c. Inductively coupled plasma-mass spectrometry instruments combine inductively coupled plasma technology and mass spectrometry technology and are used for the analysis of inorganic materials. The most common application for the instrument is testing water samples, such as drinking, ground, waste, and seawater, for the presence of toxic metals, like arsenic, mercury, or lead.

8. For the purposes of this Complaint, the United States is the relevant geographic area in which to analyze the effects of the Acquisition in the relevant lines of commerce. To compete in the relevant product markets in the United States, a firm must establish a local sales force, service infrastructure, and reputation among purchasers in the relevant product markets.

V. STRUCTURE OF THE MARKETS

9. In the United States, Agilent and Varian are the sole competitors in the \$6.8 million market for micro gas chromatography instruments. Agilent and Varian account for approximately 75 percent and 25 percent of the market, respectively, and directly compete on price, service, and product innovation. As a result, the Acquisition would significantly increase concentration and create a monopoly.

10. The market for triple quadrupole gas chromatography-mass spectrometry instruments is highly concentrated as measured by the Herfindahl-Hirschman Index (“HHI”). In the United States, there are only four suppliers of triple quadrupole gas chromatography-mass spectrometry instruments. The Acquisition would reduce the number of suppliers from four to three, leaving Agilent significantly larger than any of its remaining competitors in this \$7 million market. Post-acquisition, the combined Agilent and Varian would have in excess of a 48 percent share of the U.S. market. The other two competitors, Thermo Fisher Scientific, Inc. and Waters Corp., have market shares of approximately 36 percent and 16 percent, respectively. The post-merger HHI would be 3,882 points and the acquisition will increase the HHI level by 1,157 points. This market concentration level far exceeds the range in which a proposed acquisition is likely to create market power or enhance the likelihood that it can be exercised successfully.

11. The market for inductively coupled plasma-mass spectrometry instruments is highly concentrated as measured by the HHI. In the United States, there are only four suppliers of inductively coupled plasma-mass spectrometry instruments. Agilent accounts for 40 percent of the \$26 million market for inductively coupled plasma-mass spectrometry instruments and the Acquisition would entrench Agilent further as the dominant supplier of inductively coupled plasma-mass spectrometry instruments in the United States and increase concentration significantly. Post-acquisition, the combined Agilent and Varian would have in excess of a 48 percent share of the U.S. market. The other two competitors, Thermo and PerkinElmer, Inc., have market shares of approximately 14 percent and 37 percent, respectively. The post-merger HHI would be 3,948 points and the acquisition will increase the HHI level by 705 points. This market concentration level far exceeds the range in which a proposed acquisition is likely to create market power or enhance the likelihood that it can be exercised successfully.

VI. ENTRY CONDITIONS

12. Neither new entry nor entry by existing suppliers from outside the United States into the relevant product markets described in Paragraph 6 sufficient to deter or counteract the anticompetitive effects of the proposed acquisition is likely to occur within two years. Entry into the relevant product markets *de novo* requires a significant amount of time a

incumbent technologies in terms of performance and reliabil

