

## **Issues Involved in Qualifying Chemical Delivery Systems for Metallic Extractables**

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### Abstract

Chemical delivery systems are required to deliver high purity chemicals to points of use within semiconductor process fabs. Prior to use these systems must be qualified to ensure that they do not add metallic impurities to the chemical. There are numerous technical issues involved in obtaining accurate measurements of the extraction rate from these systems. This paper discusses these issues and how they affected the qualification of the chemical delivery systems at Motorola MOS11.