



Engelhard Industries of Canada Ltd.

For more than 40 years, Engelhard Industries of Canada Ltd. has specialized in the refining of precious metals and the manufacture of precious metal products including laboratory ware, thermocouples, catalyst products and products for the fine jewellery and electronics industries.

Engelhard's Aurora, Ontario facility has been designed so that Engelhard can meet customers' exacting requirements for quality control and prompt delivery.

The company's expertise in precious metals technology allows it to provide assistance in selecting the alloy which will best suit the application of the product.

Platinum and palladium are foremost among the materials alloyed, worked, and fabricated in Canada for industrial and scientific applications. Principal manufacturing operations include wire drawing, precision rolling of sheet and foil, tube drawing, weaving of gauze, platinum cladding and sheathing, and the fabrication of noble metals to customers' drawings and specifications. Engelhard's consulting staff stands ready to assist with special and unusual applications.

These manufacturing skills, coupled with long experience in the precious metal field, enable Engelhard to offer an exceptionally wide range of products for industrial and scientific purposes - many custom fabricated.

PLATINUM LABORATORY WARE

Because of such physical properties as high melting point and resistance to corrosion, Platinum group metals are important to the chemical industries for laboratory vessels and implements.

ENGELHARD INDUSTRIES OF CANADA LTD.

100 Engelhard Drive
P.O. Box 340
Aurora, Ontario
L4G 3N1

Telephone: (416) 727-3191

President

K.A. Laidman

Vice President, Chemical & Refining Group

Cel Reilly

Vice President, Metallurgical Group

J.P. Pawlowski

Sales Manager, Metallurgical Group

Keith G. Teft

Sales Manager, Chemical and Refining Group

T.M. Halahel

Engelhard produces laboratory equipment from Platinum of high purity.

For uses where Platinum alone may be too soft, its hardness may be increased by alloying with another metal of the Platinum group. Iridium is commonly used for this purpose. However, the application of the labware in question will often determine the alloy used.

Engelhard will help you select the correct material of manufacture for your labware application.

Typical Platinum group labware available from Engelhard Industries includes evaporating dishes, crucibles, combustion boats, beakers, tongs, spatulas, stirring rods, spoons, inoculating loops, filter cones and wire triangles.

PLATINUM ANODES AND ELECTRODES

In addition to laboratory vessels and implements, Engelhard supplies a full range of Platinum wire form anodes and Platinum mesh gauze electrodes, sheet form electrodes, perforated sheet form electrodes and special electrodes.

PLATINUM MICROWARE

For microchemistry applications, where traditional labware is unsuitable because of its size, Engelhard will supply the expertise of its craftsmen to develop and provide the microwares and apparatus needed for this critical type of work.

GAUZE AND PERFORATED SHEET

Platinum gauze in three mesh sizes and perforated Platinum sheet in a variety of perforation sizes and spacings are available for laboratory use.

OTHER PRECIOUS METALS FOR THE LAB

Other precious metals are sometimes used for laboratory ware under certain specific conditions. Alloys of gold with various percentages of Palladium are resistant to many chemicals, but are not suitable at extremely high temperatures. Pure gold and silver are preferable to Platinum for caustic alkali fusions. And vessels made of pure Iridium or Rhodium are sometimes required for extremely high temperature applications.