



Caledon Laboratories Ltd.

Caledon Laboratories Ltd. is a Canadian owned and operated company which is located in Georgetown, Ontario, about 20 miles northwest of Toronto International Airport. The Company produces high purity, organic solvents and reagent inorganic chemicals for laboratory and industrial use.

Caledon was founded in 1971 and currently owns and occupies a 10,000 square foot manufacturing plant on 3 acres. A 5000 square foot addition is being constructed during the fall of 1982. Approximately 30% of the company's production is exported to the United States and the balance is sold across Canada.

The President and founder is Douglas J. Brock, B. Sc., a graduate of Queen's University and the Chief Chemist is Dr. Bert Nalliah, Ph. D. (University of Waterloo). The Business Manager is Mrs. Carol Taylor and the Sales Manager is David W. Butler. Caledon Laboratories presently employs over 20 people, more than half of whom have degrees from Canadian Universities.

MANUFACTURING CAPABILITIES

The Company uses a variety of batch and semi-continuous distillation units constructed of glass and glass-lined steel for the purification of approximately 50 different solvents. Azeotropic distillation, along with a number of unique physical and chemical purification techniques are employed to produce ultra high purity solvents which are individually lot analysed in batches up to 2,000 litres in size.

In other operations, solutions such as Karl Fischer Reagent are being prepared and purification of reagent inorganic chemicals is being undertaken.

ANALYTICAL CAPABILITY

... detailed analyses provide quality assurance.

Throughout the Company's history special attention has been placed on the establishment of good manufacturing procedures and the development of a strong analytical capability.

CALEDON LABORATORIES LTD.

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President

Douglas J. Brock

Sales Manager

David W. Butler

The laboratory, which is segregated into applied research and quality control areas, is equipped with gas chromatographs with packed and capillary columns and both flame and electron capture detectors. Other equipment includes a scanning UV spectrophotometer, and atomic absorption spectrophotometer, and a liquid chromatograph with variable wave length detector.

These instruments, along with classical chemical methods are used to support the development of new processes and the QC analysis of incoming raw materials, samples in process, and finished products.

A system of written analytical reports follows every production lot to provide maximum assurance that each meets or exceeds our detailed published specifications.

PRODUCTS

Caledon produces reagent inorganic chemicals, acids and solvents as well as distilled in glass and HPLC grade solvents.

CERTIFIED REAGENTS

Almost 200 of the most common inorganic chemicals, acids and solvents are available as CERTIFIED REAGENTS. For most, the American Chemical Society has published rigid limits of impurities and Caledon certifies, by its own analysis, that these specifications are conformed to. The specifications on the label are guaranteed values.

DISTILLED IN GLASS

Over 50 solvents are distilled under high reflux ratio through efficient glass columns to remove residue. UV transparency and very low moisture content make these solvents ideal for a wide variety of instrumental analyses as well as other demanding applications.

Ultra low UV grades of some solvents and special nitrosoamine free dichloromethane are unique among commercial suppliers anywhere.

HPLC GRADE

Specially treated and characterized for liquid chromatography. Actual lot analysis is stamped on the label.

Caledon HPLC solvents meet rigid standards for consistent purity. They give clean reproducible separations and long column life. The only HPLC solvents made in Canada.

The complete Caledon product line, along with detailed technical specifications and current pricing is described in the new catalogue that is being published in September 1982. Please request your copy.

To complement its own products, Caledon also sells organic chemicals which are produced by Fluka Chemical Corp. of Switzerland and Columbia Organic Chemicals of South Carolina. Reagents for chromatography are marketed for Regis Chemical Company and