Case Study
Determination of protein, TVBN, and pepsin

Customer: Grobest Corporation Co. Ltd., Thailand
The Grobest Group was founded in Taiwan in 1974. It is the world leading aquatic feed company with branch offices all over the world. Thailand is one of the countries, that is active in the aquatic feed business for more than 20 years. Grobest Thailand started business with “Grobest Corporation Co., Ltd.” as registered name in 1988. The first plant in Thailand was built in the province Samutsongkram. The company conducts research and development to satisfy domestic and foreign customers.

Application: Determination of protein, TVBN, and pepsin digestibility for raw materials and products
Quality control of both, raw materials and finished products is performed. The protein content of aquatic feed (fish and shrimp feed), the TVBN (Total Volatile Basic Nitrogen) in fishmeal, and the pepsin digestibility are determined. By measuring TVBN, the freshness/quality of the product is screened. The pepsin digestibility is an important parameter to determine the percentage of digestible protein.

Equipment: Distillation Unit B-323
The Distillation Unit B-323 is easy to use, and all necessary parameters can be adapted very simply. Using the instrument is very convenient for the operator. In addition, the instrument is equipped with a useful safety system for the front door that makes inspecting the inside system easy and safe without the need for any additional tools to open the service door.

Benefit / Conclusion: Easy to use and safe
The BUCHI Distillation Unit B-323 can be used for the determination of several parameters - not only for protein determination, but also for TVBN and pepsin digestibility. In case something goes wrong, clear and comprehensible system messages are displayed on the screen, making even troubleshooting very easy.

“BUCHI Equipment is easy to use and offers useful safety features for the operator”
Mrs. Suporn Pintong, Quality Control Manager