

## LETTER OF INTRODUCTION

**PolyLabs** is an innovative chemical manufacture company based in Europe. Polylabs is manufacturing and selling **Bio Polyols** - raw materials for polyurethane industry.

### **Short information about our products**

Our Bio Polyol is a high quality Bio based polyol, produced from renewable materials (rapeseed oil and tall oil) for the polyurethane industry e.g. polyurethane system houses, manufacturers of insulation material, rigid foam, spray foam and other rigid polyurethane products.

Our Bio Polyols are suitable for production of insulation materials for shipbuilding, automotive industry, as well as industrial insulation, sandwich panels, etc.

We currently have three Bio Polyols and one rigid polyol system. We also have Bio Polyols for flexible foam and high functionality Bio Polyols under development.

### **Short technical information**

The proportion of renewable materials in our Bio Polyols is 60% - 74%. We obtain Bio Polyols from renewable resources by adding hydroxyl groups to fatty acids and resin acids in amidization and esterification reactions of carboxyl groups with alkanolamines.

Depending on used alkanolamine, our Bio Polyols contain secondary or tertiary amine groups, making them autocatalytically active. By using these Bio Polyols it is possible to decrease the needed catalyst amount in a polyol composition. Using our Bio polyols prevents system from phase separation.

### **R&D**

Our close partnership with one of the top 3 scientific institutes of Latvia – Institute of wood chemistry of Latvia, allows us to provide high quality after-sales-service for our customers as well as polyol system development and fine tuning.

I would be glad to discuss possibility of business cooperation in Korea.

Best regards

Kristiāns Grundštoks  
CEO