

# **CZECH TECHNICAL UNIVERSITY IN PRAGUE**

Faculty of Mechanical Engineering, Department of Process Engineering

## **Evaluation of Diploma Thesis**

Study program: Mechanical Engineering

Study field: Process Engineering

Author: **Hector CALVOPINA**

Title: **CFD simulation of heat transfer in an agitated vessel with a draft tube**

The author accomplished the given tasks very well. He performed numerical simulations of fluid flow and heat transfer in an agitated vessel with a draft tube using ANSYS Fluent. The author showed good skills when postprocessing the results using MATLAB software. I would expect a little more autonomy when performing the numerical simulations and working on the thesis, but on the whole, the student showed abilities and knowledge on very good level.

**Evaluation: very good (B)**

19. 6. 2018

Ing. Karel PETERA, Ph.D.