

## Jíhočeská univerzita v Českých Budějovicích

Faculty of Fisheries University of South Bohemia and Protection in České Budějovice of Waters Czech Republic

## **Confidential**

Supervisor's Review of USB RIFCH PhD Thesis	
Surname of the PhD student: Linhartová	Name of supervisor: Sabine Sampels
Title of PhD thesis: Effects of xenobiotics on oxidative viability in human cells and fish spermatozoa in vitro	e stress, lipid metabolism, DNA integrity and cell
OVERALL COMMENTARY	ON THE PhD THESIS
contaminated fish affects viability and lipid metals part evaluates the effects of contaminants in the a of the aquatic environment and its effect on both the fish consumer are a major topic in public and respecies are released into water environment of compounds and hence Pollution threatens the survival balancing risks and benefits of fish consumption in topic. Therefor the topic of the thesis is in the trend. The thesis shows clearly that the chosen substances stress and but also for the human hepatocytes that the fish, can protect against some of the toxic effect. The thesis is clearly written and there is a clear ration summarize the aims and results of her work well. The thesis is clearly written and there is a clear ration.	s decrease viability parameters and create oxidative toong chain n-3FA which are normally ingested with ts. onale and Pavla Linhartová managed to discuss and the different parts of the work fit well together and also managed to fit the single parts of her work into
FINAL RECOMMENDATION	
xx can be recommended for defence of PhD Thesis can be recommended with reservations for defence of PhD T	
22,04,2016 Gs& Brdejovice	Sasine Sample

Date and place

surname and signature