



LIFE Project Number
LIFE15 ENV/GR/000257

Deliverable Submission Deadline ¹
01/2021

LIFE-F4F (Food for Feed)



Action:	B.5.
Partner:	FUB (AUA, HMU, ESDAK)
Title of Action :	Evaluating the Produced Feed as Pet Food
Deliverable B5.1.:	Complete chemical analysis of the produced feed, through the pet food industry perspective



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¹ The date of the deliverable submission

Table of contents

1. Introduction	2
2. Results.....	2
3. Summary.....	2

1. Introduction

Until the end of the deadline for this deliverable (October 2019), 35 samples of food wastes have been analyzed by FUB (n=16 of the first sampling period in the year 2018; n=9 of the second sampling period in the year 2018; n=9 of the third sampling period in the year 2018; n=1 of the final product used for the dog and cat trials). In addition, 5 samples sent to FUB in November 2019 were analyzed. The analyzed parameters included dry matter, crude protein, crude fat, crude fiber, crude ash, minerals, amino acids and taurine.

A new product (dried food residues without meat) has been received in December 2020, and the chemical analysis is expected to be completed in January 2021.

2. Results

When the analyses were compared among the three sampling periods, variations in the nutrient composition were observed. The drying temperature (35 °C, 45 °C, 55 °C and 65 °C) had also a moderate impact on the analyzed nutrient concentrations of the samples.

3. Conclusions

The results are highly important for the future use of the food wastes as a component for petfood, indicating that each batch of the food wastes has to be carefully analysed prior to the inclusion in the diet, in order to guarantee for a constant composition of the end product.

Further analyses are required to confirm these first results. An ongoing analysis of the collected food waste is an important aspect of the project and the action B5. In particular, potential seasonal fluctuations in the composition of the food wastes should be characterized.