

NOVRITSCH



SUMMARY

This is a summary of the material analysis of the **NOVRITSCH 0.3g** as well as the **NOVRITSCH 0.46g**.

The **NOVRITSCH 0.3g**, **0.36g**, **0.4g** and **0.46g** are BIO BBs, therefore decaying over time to protect the environment.



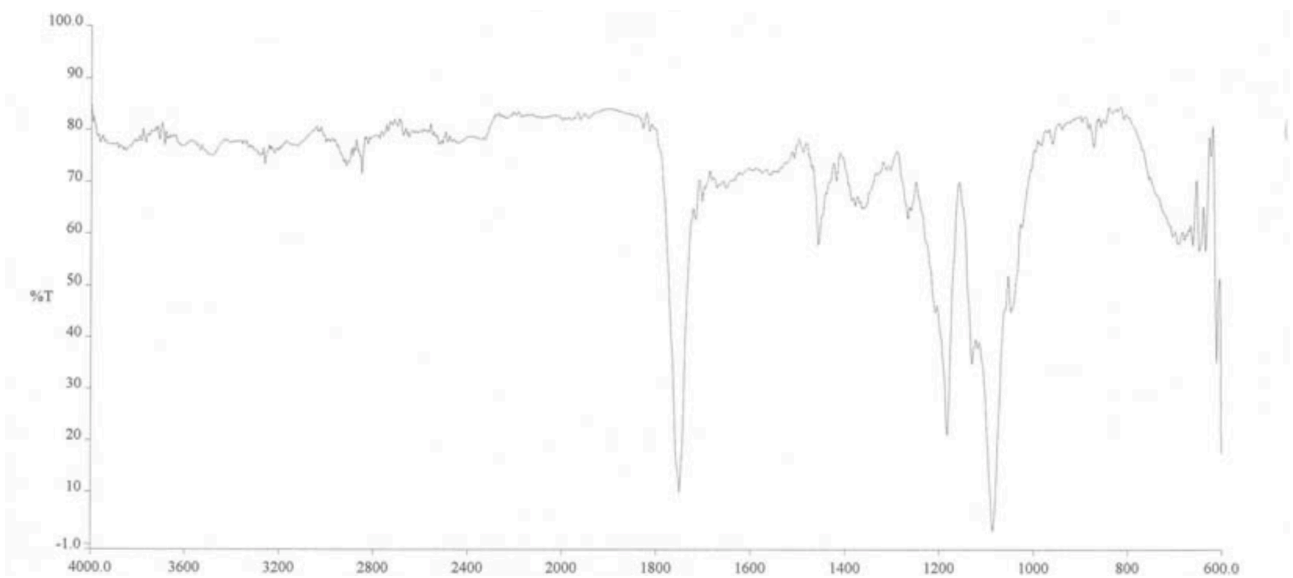
MATERIAL ANALYSIS | 0.46g

Used Methods:

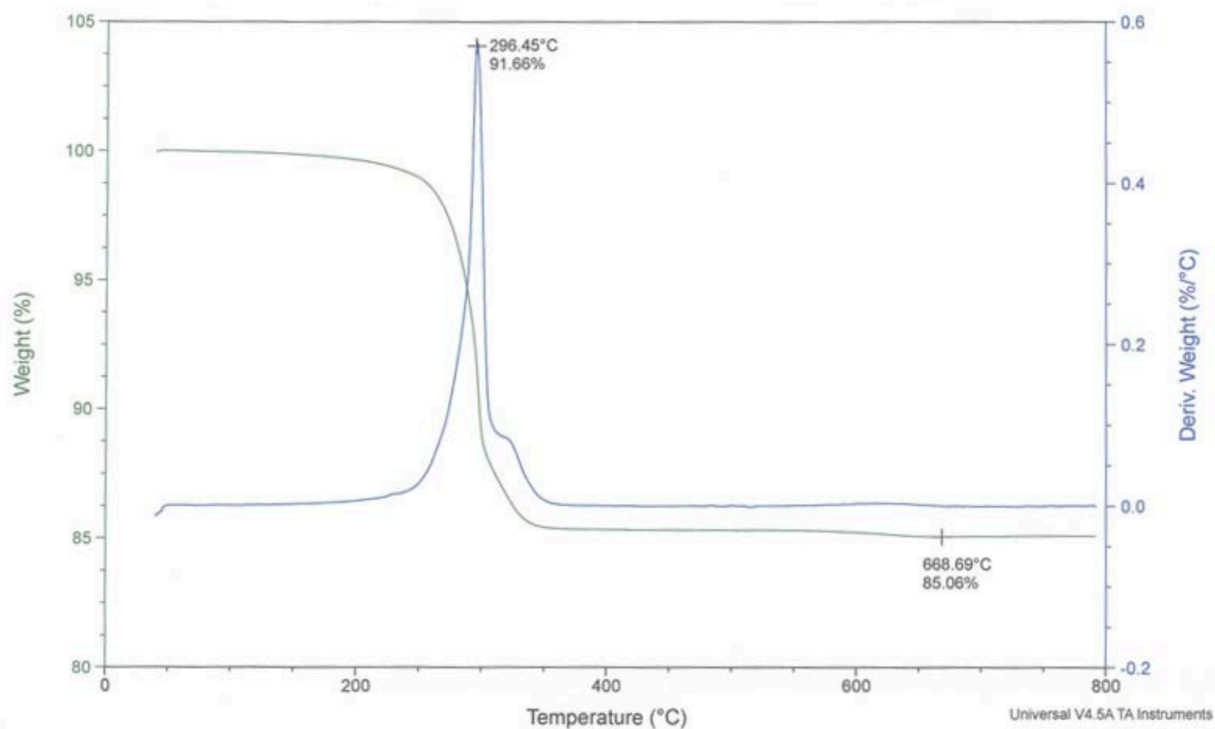
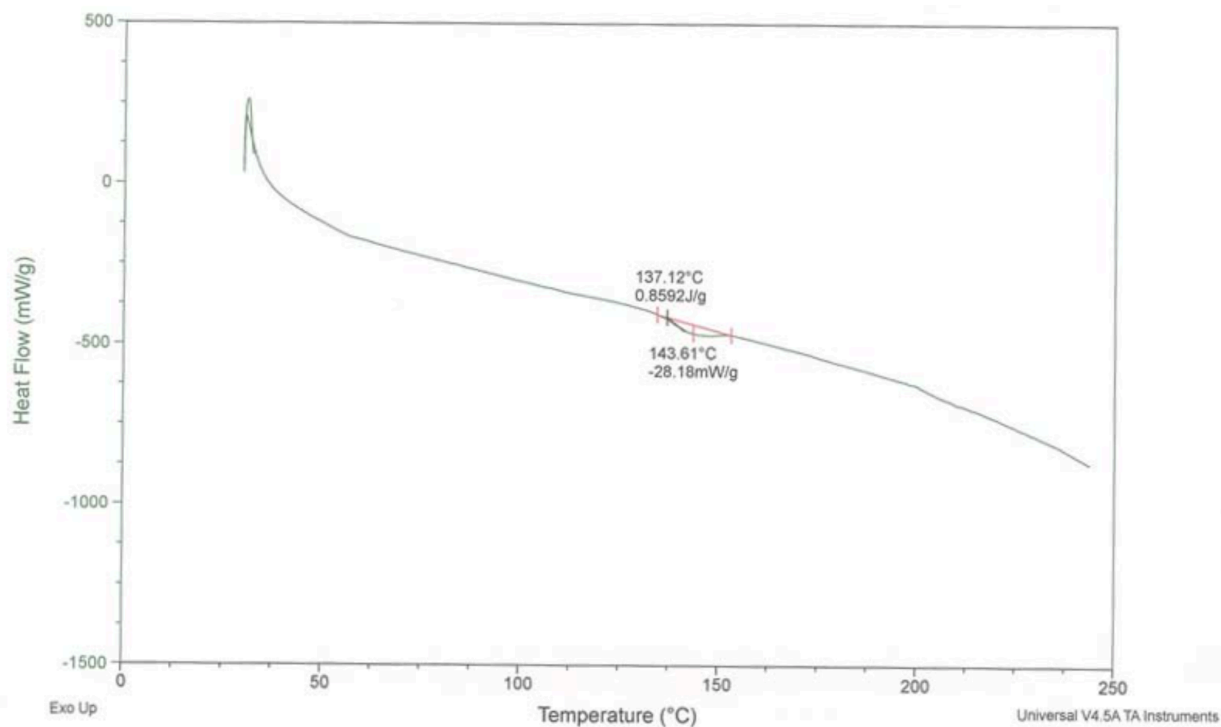
- Infrared rays analysis see attached spectrogram
- Differential Scanning Calorimeter see attached graph
- Thermogravimetric Analysis see attached graph 3
- Wavelength: 4000 cm-1 ~ 600 cm-1

Results:

Material Analysis SOP-C025-01	The main material of the sample is determinate as Polylactic acid (PLA), with FTIR (Fourier transform infrared spectroscopy) and DSC (Differential Scanning Calorimeter) analysis. Inorganic Filler Content: 85.1 % BaSo ₄ + Cerium Oxide
Volatile Solids Content EN 13432	14 %



MATERIAL ANALYSIS | 0.46g



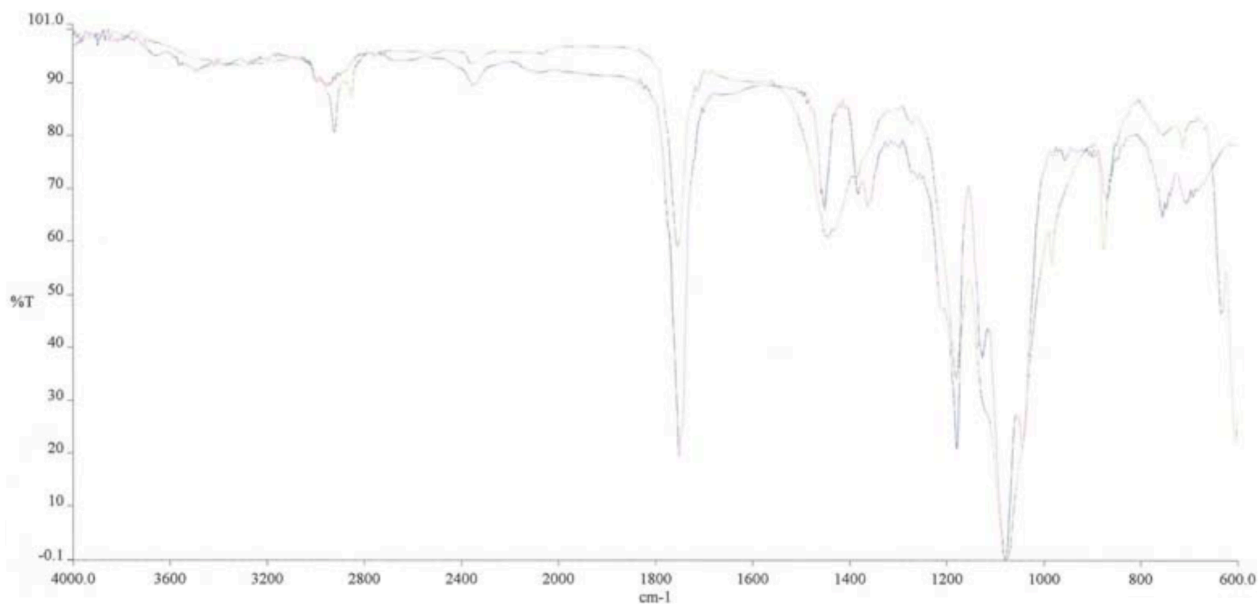
MATERIAL ANALYSIS | 0.3g

Used Methods:

- Infrared rays analysis see attached spectrogram
- Differential Scanning Calorimeter see attached graph
- Thermogravimetric Analysis see attached graph 3
- Wavelength: 4000 cm-1 ~ 600 cm-1

Results:

Material Analysis SOP-C025-01	The main material of the sample is determinate as Polylactic acid (PLA), with FTIR (Fourier transform infrared spectroscopy) and DSC (Differential Scanning Calorimeter) analysis. Inorganic Filler Content: 10,9% CaCo_3 + 69.0% BsSo_4
Volatile Solids Content EN 13432	19,6 %



MATERIAL ANALYSIS | 0.3g

