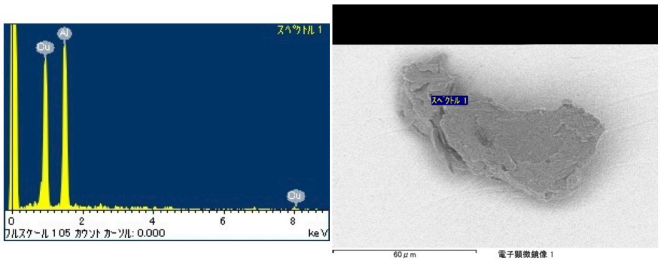
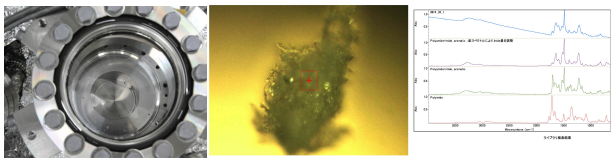
Possible contaminations

Aluminum



These figures show an EDS spectrum and an SEM image of an aluminum grain recovered from the quartz disk. These platy aluminum grains are understood to be fragments of pure aluminum coating on inside walls of the sample catcher of the Hayabusa spacecraft

White objects in sample container



These figures show an inside view of the sample container of the Hayabusa spacecraft (left), an optical microscope image (center) and an infrared spectrum (right, top) of one of a white particle found in the container. The white particles consist of polyamide including small amount of imide structure. Polyamide seems to be a reaction product of polyimide and hydrazine, which used as propellant of the Hayabusa spacecraft and had leaked from the spacecraft after the touchdown onto the asteroid Itokawa.Its optical microscopic image and IR spectra are courtesy for Prof. E. Nakamura in Okayama Univ.