

## Sample Results Summary Sheet

Please return this form to the Curator for each allocated Sample

**Sample ID:** RA-QD02-0120

**PI:** Fumio Kitajima

**Type and date of analysis performed:**

micro-IR/Raman (28 June 2013) with JASCO FT-IR-6100 (IR)/JASCO NRS-5100 (Raman)

**Elements or phases identified:**

O-H ( $3342\text{ cm}^{-1}$ ), Aliphatic C-H ( $2994\text{ cm}^{-1}$ )

Raman G- and D-band (maybe artifact)

**Contaminant phases identified:**

n/a

**Sample handling:**

Exposed in atmosphere

**State of sample pre-analysis:**

Pressed on a gold plate at PMSCF/JAXA, analysis was performed in atmosphere

**State of sample post-analysis:**

On a gold plate in  $\text{N}_2$

**Analysis data Notes:**

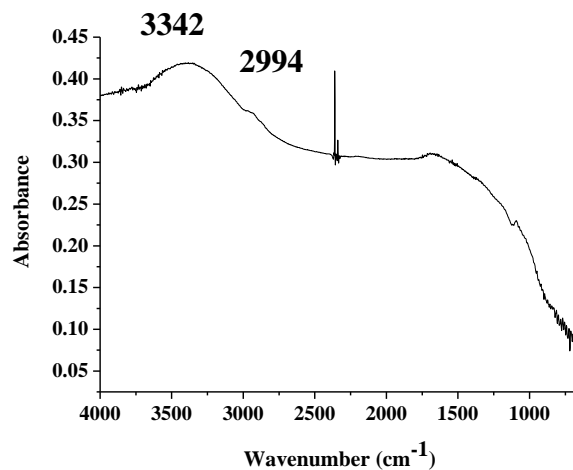


Fig. 1 IR (reflectance) spectrum of RA-QD02-0120

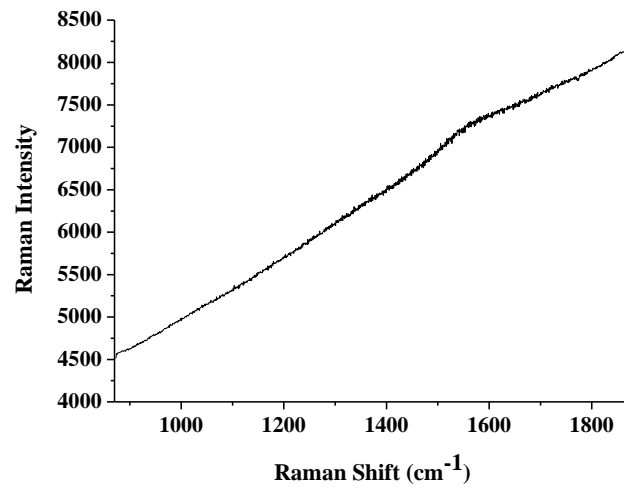
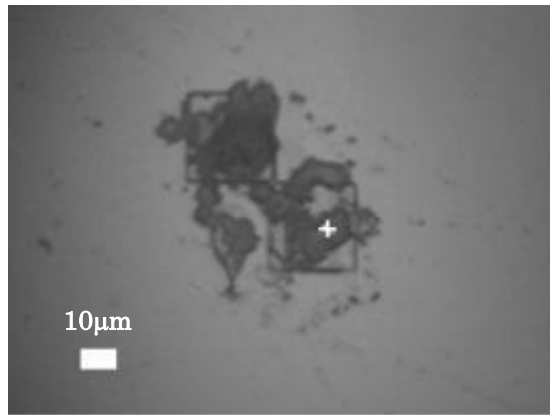


Fig.2 Raman spectrum of RA-QD02-0120

The cross (+) indicates the point at which analysis was performed

Detailed results are described in Kitajima et al. *Earth Planets and Space*