Sample Results Summary Sheet

Please return this form to the Curator for each allocated Sample

Sample ID: RA-QD02-0017

PI: Tomoki Nakamura

Type and date of analysis performed:

XRD	July/13/2011~ July /15/2011
FE-SEM, FE-EPMA	Now/28/2011 ~ Now/30/2011

Elements or phases identified: (Mg, Si, olivine, pyroxene, aromatic carbon, etc.)

XRD : Ol

FE-SEM : Ol

FE-EPMA : Si, Ti, Al, Fe, Mn, Mg, Ca, Na, K, Cr, Ni, P

Contaminant phases identified: (Al, SUS, carbon particles, etc.)

N/A

Sample handling:

XRD

Attached to glass fiber with resin.

FE-SEM, FE-EPMA

Exposed in atmosphere.

Polished by M cross

C-coated (20 nm)

State of sample pre-analysis:

Attached to glass fiber with resin. (XRD)

Polished section with resin embedded (FE-SEM, FE-EPMA)

State of sample post-analysis:

Attached to glass fiber with resin. (XRD)

Polished section with resin embedded, C-coated (FE-SEM, FE-EPMA)

N_2 hold in sample holder.

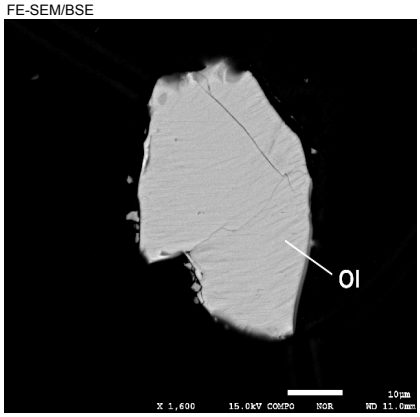
Analysis data Notes: (summary of the attached analysis data and/or images)

See attached sheets.

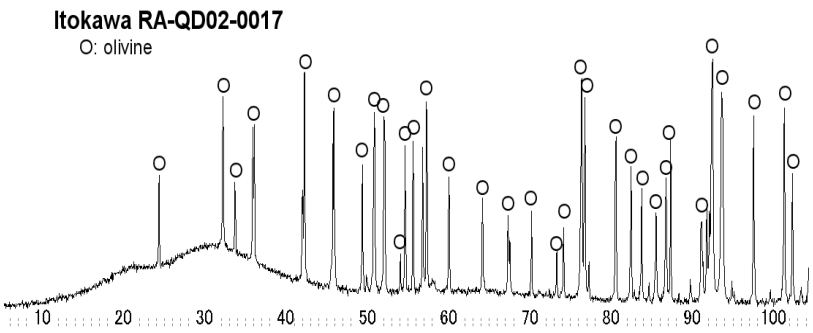
RA-QD02-0017

Analysis S-XRD (polish) FE-SEM FE-EPMA
Present status Putted butt

FE-SEM/BSE



S-XRD



FE-EPMA

wt%	Olivine n=7	Ol 1 sigma	LPx n=1	LPx 1 sigm	HPx n=0	HPx 1 sign	Plagio n=0	Pl 1 sigma
SiO2	37.31	0.35	51.14					
TiO2	0.00	0.01	0.33					
Al2O3	0.01	0.01	0.33					
FeO	26.59	0.23	5.66					
MnO	0.51	0.02	0.24					
MgO	35.96	0.59	18.66					
CaO	0.00	0.00	20.65					
Na2O	0.01	0.02	0.42					
K2O	0.01	0.01	0.03					
Cr2O3	0.01	0.01	0.53					
NiO	0.02	0.02	0.07					
P2O5	0.05	0.05	0.00					
SO3	0.01	0.01	0.00					
Total	100.50	0.86	98.04					

SUM

Comment

Olivine (Fa#)	29.32	0.36	
LPx(Fs#)			
LPx(Wo#)			
LPx(En#)			
HPx(Fs#)			8.65
HPx(Wo#)			40.47
HPx(En#)			50.87
Pl(Or#)			
Pl(An#)			
Pl(Ab#)			