

Materials List for:

Dependence of Laser-induced Breakdown Spectroscopy Results on Pulse Energies and Timing Parameters Using Soil Simulants

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Materials

Name	Company	Catalog Number	Comments
Equipment			
Nd:YAG laser	Continuum	Surelite II	
Echelle spectrograph/ICCD	Catalina/Andor	SE200/iStar	
Digital delay generator	BNC	Model 575-4C	
Hydraulic Press	Carver	Model-C	
31-mm pellet die	Carver	3902	
Power meter indicator model	Sciencetech, Inc.	Model number: AI310D	
Power meter detector model	Sciencetech, Inc.	Model number: AC2501S	
Oscilloscope	Tektronix	MSO 4054	
Optical fiber	Ocean Optics	QP1000-2-UV-VIS	
Lens kit (this kit contains the 75 mm f.l. lens)	CVI Optics	LK-24-C-1064	
Reagent/Material list			
Synthetic silicate sample	Brammer Standard Company	GBW 07704	
Synthetic silicate sample	Brammer Standard Company	GBW 07705	
Synthetic silicate sample	Brammer Standard Company	GBW 07706	
Synthetic silicate sample	Brammer Standard Company	GBW 07708	
Synthetic silicate sample	Brammer Standard Company	GBW 07709	
Aluminum caps (for pressing synthetic silicate samples)	SCP Science	040-080-001	