

Materials List for:

Characterization Of Multi-layered Fish Scales (*Atractosteus spatula*) Using Nanoindentation, X-ray CT, FTIR, and SEM

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Materials

Name	Company	Catalog Number	Comments
Epoxy resin	Buehler	701-501512	
Epoxy hardener	Buehler	703-501528	
Samplkups	Buehler	20-8180	
SamplKlips I	Buehler	20-4100-100S	
High precision cut-off saw	Buehler	Isomet	
UltraMet 2002 sonic cleaner	Buehler	B2510R-MT	
Polisher	Buehler	49-1750-160	
1,200 grit (15 µm) SiC paper	Struers	40400012	
4,000 grit (6 µm) SiC paper	Struers	40400014	
50 nm colloidal silica	Buehler	40-10075	
Chemomet polishing pad for 50 nm suspension	Buehler	40-7918	
Nanoindenter	MTS	G200	
FTIR continuum microscope	Thermo Nicolet	6700	
X-ray computed tomography	Skyscan	Skyscan 1173	
SEM	FEI	NovaNanoSEM 630	
EDX	Bruker	AXS Xflash detector 4010	
Sputter coater	Denton	Desk II	