

Materials List for

Tree Core Analysis with X-ray Computed Tomography

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Materials

| Name | Company | Catalog Number | Comments |
|--|---|----------------|----------------------|
| 6 mm paper straws | http://artstraws.com/education/ product/artstraws-thick-asst-cols/ | | Coring |
| Aluminium core holders | | | |
| ASTM standard ASTM D 1107 – 96 | | | |
| Cardboard postal tubes | https://www.rajapack.co.uk/ envelopes-mailing-bags/postal- tubes/1-5-2mm-brown-cardboard- postal-tubes_PDT05623.html | | |
| Column drill | | | |
| Computer hardware for reconstruction and analysis | | | X-ray CT scanning |
| Cooling | | | |
| Drying oven | | | |
| Ethanol | | | |
| Flask for under soxhlet (2000 ml) | | | |
| Floral foam | https://www.oasisfloral.eu/ | | Sample holder type 1 |
| Glass beads to fill void volume of Soxhlet to save solvent | | | |
| Glue | | | |
| Hot water bath | https://www.memmert.com/products/ water-baths/water-bath/#!filters=%7B %7D | | Soxhlet extraction |
| Increment borer | https://haglofsweden.com/project/increment-borers/ | | |
| Plastic cylinder | Moonen et al. 2022 | | Sample holder type 2 |
| Plastic cylinders | | | |
| Reservoir | | | |
| Tailored soxhlet apparatus | | | |
| Toluene | | | |
| Water pump | | | |
| X-ray CT scanner | | | |