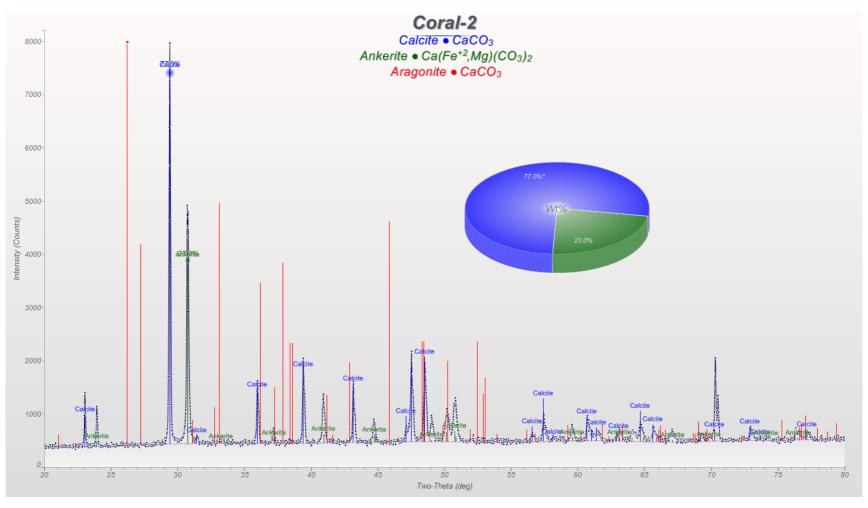


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Powder x-ray diffraction with Bruker D8 Advance ECO powder diffractometer: Compositional analysis of coral



Powder x-ray diffraction pattern from powdered coral sample (dots) analyzed with Jade and compared with ICCD crystallography database. The primary mineral components of most corals are either of two structures of CaCO₃. Analysis showed a 77% weight percentage of Calcite (blue) and 23% Ankerite (green). Peak locations for Aragonite (red) are plotted for comparison.

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