

POSSIBLE VISEAN MICRO-TEKTITES FROM THE UPPERMOST ST. LOUIS LIMESTONE (UPPER MISSISSIPPIAN) OF SOUTHERN INDIANA, USA

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Conodont samples from the top of the St. Louis Limestone, underlying a long sequence of the St. Genevieve Formation along Interstate 64, east of Corydon, Indiana, included a large number of glass spheres.

The samples were concentrated by solution in formic acid, followed by heavy liquid separation in tetra-bromo ethane. The spheres were found in the light fraction. Strict control and repeated processing, as well as, repeated recollection eliminated any likelihood of contamination.

Most of the specimens are perfect spheres, less than one millimeter in size, some are the fusion of two. They are colorless, clear and transparent, without any abrasion, corrosion or noticeable flow structures.

The micro-tektites are possibly from a strewnfield that included the lime muds of the St. Louis sea. Subsequent lithification preserved and protected them.