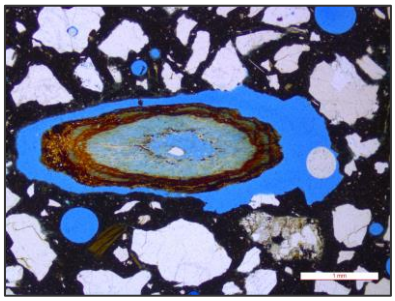
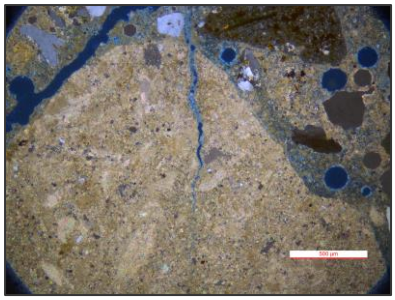
AGGREGATE PETROGRAPHY

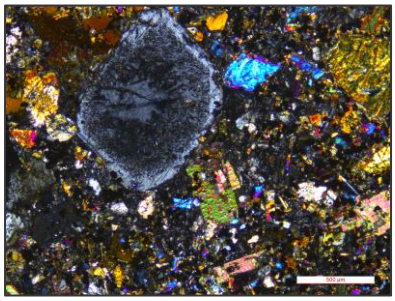
The most effective method for determining the suitability of an aggregate source for use in concrete. SGS TEC Services experienced team of professional geologists, petrographers and professional engineers evaluate the aggregate (coarse and fine) within our ISO 17025, AASHTO R18, and Army Corps of Engineers accredited laboratory in accordance with ASTM C295.



These evaluations involve visual and microscopic examination of carefully selected representative aggregate particles. Thin sections are examined and high magnifications with polarized light microscopes (PLM) to determine the following aggregate properties:

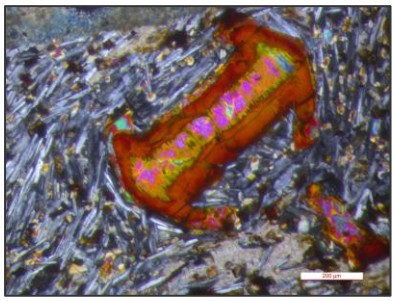


- Alkali-Silica Reactivity (ASR) Potential
- Alkali-Carbonate Reactivity (ACR) Potential
- Aggregate Lithology (Rock Type)
- Durability
- Staining Potential
- Quality
- Water Demand Effects
- Pyrrhotite Content



Aggregate Petrography answers these questions:

- Can my aggregate be safely used in concrete?
- Will this aggregate cause staining or popouts?
- Could this aggregate cause the same problems seen in the deteriorating home foundations in Connecticut?



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