

DEPARTMENT OF TRANSPORTATION
DIVISION OF ENGINEERING SERVICES
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METHOD OF TEST FOR PETROGRAPHIC EXAMINATION OF MINERAL AGGREGATES

A. SCOPE

A petrographic analysis of an aggregate sample is done to describe and classify the constituents, ascertain their physical and chemical properties, and determine the relative amounts of each constituent in the sample. The primary criterion of a petrographic examination is the intended use of any particular material. Specific procedures employed are dependent on what information is desired about any particular aggregate. The petrographic report allows the engineer to recognize the problems which might arise from the use of the tested aggregate.

This test shall be conducted in accordance with ASTM C 295.

B. PROCEDURE

Use ASTM C 295.

C. HEALTH AND SAFETY

It is the responsibility of the user of this test method to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use. Prior to handling, testing or disposing of any materials, testers must be knowledgeable about safe laboratory practices, hazards and exposure, chemical procurement and storage, and personal protective apparel and equipment.

Caltrans Laboratory Safety Manual is available at:

http://www.dot.ca.gov/hq/esc/ctms/pdf/lab_safety_manual.pdf

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