



# CAPABILITY STATEMENT

## Petrographic Analysis



*A Specialised Delivery*



## **DELIVERING SPECIALISED PETROGRAPHIC RESULTS**

At ARC Laboratory Services, we pride ourselves on delivering exceptional petrographic analysis with a focus on efficiency, quality, and customer-centric service.

Equipped with our own thin-section preparation apparatus, we ensure precise and timely sample preparation, providing a seamless and fully integrated analysis techniques to examine and evaluate the composition, structure, and properties of materials, ensuring reliable results for our clients.

Efficiency is at the core of our operations, allowing us to meet your project deadlines without compromising on accuracy. We maintain rigorous quality standards to provide detailed and precise analyses, enabling informed decision-making.

With a friendly and professional approach, ARC Laboratory Services is committed to fostering long-term relationships built on trust and satisfaction. Whether you're in construction, manufacturing, or research, we tailor our services to meet your unique needs, positioning ourselves as your trusted partner in petrographic analysis.



# PETROGRAPHIC SERVICES

## ASTM C295

- Outlines the procedures and guidelines for the petrographic examination of aggregates intended for use in concrete. This standard is essential for assessing the suitability of aggregates by identifying their mineralogical composition, texture, structure, and any potential characteristics that may affect concrete performance.

## AS 1141.26

- An Australian Standard that outlines the procedure for conducting petrographic examinations of aggregates used in construction, particularly for concrete. The standard provides detailed methodologies to evaluate the mineralogical and physical properties of aggregates, ensuring their suitability and durability in specific applications.

## ASTM C856

- Provides a detailed methodology for the petrographic examination of hardened concrete to evaluate its condition, composition, and potential causes of distress or failure. This standard is critical in understanding the performance and durability of concrete in both new and existing structures.

## ANALYSIS OF MINEROLOGY

- With Statements for suitability for Asphalt, Sealing Aggregate, Concrete, Rail Ballast, Armour Stone and Dimensional Stone.

## ANALYSIS FOR MINEROLOGY

- For Mining Services to support resource exploration, material characterisation and understanding of Deleterious Minerals, alteration and structural properties.

# WHY CHOOSE ARC LABORATORY SERVICES?

At ARC Laboratory Services, we bring together advanced capabilities, industry expertise, and a customer-focused approach to deliver exceptional petrographic services. Further to Petrographic Analysis the laboratory can also deliver on physical testing to address any risks associated from the analysis findings ensuring a timely assessment of samples.

## ADVANCED IN-HOUSE CAPABILITIES

- Equipped with our own thin-section preparation apparatus, we ensure precise and high-quality sample preparation for accurate analysis.
- Utilising cutting-edge petrographic tools, we provide thorough examinations of aggregates, hardened concrete, and other materials.

## INDUSTRY EXPERTISE

- Our skilled team has extensive experience in petrographic analysis across construction, manufacturing, and research sectors.
- Proficient in global standards such as ASTM C295, ASTM C856, and AS 1141.26, we guarantee compliance and reliability.

## COMPREHENSIVE SERVICES

- We offer a full spectrum of petrographic solutions, from assessing aggregate suitability to diagnosing concrete performance and durability issues.
- Tailored analyses provide actionable insights to meet your project's specific requirements.

## COMMITMENT TO QUALITY AND EFFICIENCY

- Precision and accuracy are at the core of our processes, ensuring reliable results.
- Our efficient workflows and dedicated team ensure timely delivery of results without compromising quality.

## CUSTOMER-CENTRIC APPROACH

- We pride ourselves on building long-term partnerships through friendly, approachable service and personalized attention to your needs.
- Our goal is to support your success by providing practical solutions and clear, actionable reports.

## PROVEN TRACK RECORD

- Trusted by industry leaders, ARC Laboratory Services has earned a reputation for excellence, reliability, and integrity in petrographic analysis.

**By choosing ARC Laboratory Services, you're partnering with a team committed to delivering the insights you need to ensure the success of your projects.**