



ASX ANNOUNCEMENT

SAYONA
MINING LIMITED

28 SEPTEMBER 2015

ITABELA GRAPHITE PRODUCES HIGH-VALUE EXPANDABLE GRAPHITE

Sayona Mining Limited (ASX: SYA) ("Sayona" or the "Company") is pleased to announce the results of test work, demonstrating that Itabela flake graphite is suitable for the production of a high-quality expandable graphite.

Expanded graphite has unique physical and thermal properties, and can be converted into high-value products that attract premium pricing. In addition, compared to the production of other speciality graphite products, expandable graphite has little wastage in the production process.

Test work was independently conducted by one of the world largest European carbon and graphite users. Itabela's +50# mesh, 98% carbon content concentrate yielded an expansion volume of 531 cm³/g, demonstrating high quality specifications against industry standards. Testing for volatile matter, leachable chloride and fluoride, moisture and ash content was also performed, yielding favourable results.

The market growth for expanded graphite is expected to be strong, with its electrical and thermal conductive properties suitable for use in fire retardants, foundry materials, graphite foils and batteries.

The high quality and diverse characteristics of Itabela's graphite provides the Company with a significant competitive advantage, due to the graphite's potential use in a wide variety of applications, including the high-value segments.

The Company will also use some of the one tonne of high quality processed concentrate from the pilot plant to continue testing Itabela graphite with potential customers. The Company will also examine other potential downstream markets, including Micronised and Spherical graphite markets.

For more information, please contact:

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Sayona Mining Limited is an Australian, ASX-listed company, focused on sourcing and developing high purity flake graphite for use in the rapidly growing new technology sectors. Please visit us as at www.sayonamining.com.au

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