



ASX Announcement
15 October 2018

CAUSTIC SODA ROASTING PROCESS PRODUCES HIGH PURITY NATURAL FLAKE GRAPHITE UP TO 99.94% TGC FROM ANCUABE

- ✓ **Independent testwork confirms high purity natural flake graphite up to 99.94% Total Graphitic Carbon (TGC) can be produced from Ancuabe using caustic roasting process**
 - ✓ **Cost effective and more environmentally acceptable technology as it avoids use of highly toxic acid and energy intensive thermal purification processing typically required to achieve TGC purities for Lithium-Ion Batteries**
 - ✓ **Successful results of pilot plant samples demonstrate the consistency, quality and scalability of the Ancuabe Graphite resource**
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Triton Minerals Limited (ASX: TON) ("**Triton**" or "**the Company**") is pleased to report that advanced testwork undertaken by an independent expert in Germany has demonstrated that Ancuabe graphite is ideal for high value applications such as expandable graphite, lithium-ion batteries and speciality sealing applications in the chemical industry.

Testwork was undertaken with samples from the ALS Metallurgy flowsheet verification pilot plant completed in Q1 2018, and included:

- Graphite concentrate samples extracted from the Ancuabe T16 Project prospect were assayed for benchmarking with industrial graphite product requirements; and
- Caustic soda purification achieved exceptional results with a TGC purity of up to 99.94%, demonstrating that Ancuabe graphite is highly amenable to low environmental impact and cost-effective purification methods.

The testwork was based on standard industrial process and no process optimisation has been undertaken to potentially realise improved quality and cost effectiveness.

Managing Director Peter Canterbury stated: *"We are very encouraged by the results of our latest testwork in Germany, as they demonstrate that Triton can produce a highly sought-after high purity graphite concentrate without resorting to the use of toxic, environmentally damaging hydrofluoric acid purification and costly energy intensive thermal processes. Our ability to produce a 99.94% TGC sample from Ancuabe graphite is of great interest to potential customers in Europe, Asia and the USA."*

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