

Alba Mineral Resources Plc / EPIC: ALBA / Market: AIM / Sector: Mining

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Alba Mineral Resources Plc
("Alba" or the "Company")

First Phase of Motzfeldt Test Work Successfully Completed

Alba Mineral Resources plc (AIM: ALBA), the gold and critical raw materials focused exploration and development company, is pleased to confirm the successful completion of the first stage of the commissioned mineralogical and scoping test work on the Rare Earth ("REE"), Niobium ("Nb"), Tantalum ("Ta") and Zirconium (Zr) mineralisation at the Aries Deposit, part of the Motzfeldt Critical Metals Project in south Greenland.

Highlights

- First phase of mineralogical and scoping test work has confirmed the minerals which host the critical metals at the Aries deposit area.
- All the confirmed mineral species have established global extractive pathways, a key advantage for Motzfeldt.
- The next test work phases will assess the most appropriate separation techniques for concentrating the key critical minerals.

Details

100kg was taken from a ~350 kg crushed representative bulk sample of surface rocks from the JORC resource estimate area at Aries. This sample was milled to ~1000 µm, with a representative 5 kg subsample taken and screened into 3 size fractions which were subsequently analysed by a combination of bulk techniques and state-of-the-art QEMSCAN analysis to fully characterise the mineralogy of the sample without bias.

This analysis has provided third party verification that the following minerals host the critical metals at Aries: pyrochlore, columbite (Nb, Ta, REE) bastnäsite, parisite, monazite, xenotime (REE) and zircon (Zr) in the sample, supporting our mineralisation model. These mineral species all have established extractive industries globally, highlighting a key advantage of the Motzfeldt project.

The next test work phases will assess the efficacy of separation techniques (gravitational and magnetic) on splitting the target minerals from gangue (or waste material) phases. This process will be key in identifying the most appropriate techniques for concentrating the key critical minerals before further processing. More updates will be issued upon the completion of this next phase of work.

Company Comment

Dr Curtis Rooks, Alba's Principal Geologist, commented:

"This test work programme represents the most advanced mineralogical study completed in the history of the Motzfeldt project, giving us the most thorough characterisation of Aries mineralisation to date. The results of this and subsequent phases of work will be vital in building industrial pathways from raw material to critical mineral products for Motzfeldt and in connecting the project to global supply chains."

This announcement contains inside information for the purposes of the UK Market Abuse Regulation and the Directors of the Company are responsible for the release of this announcement.

Forward Looking Statements

This announcement contains forward-looking statements relating to expected or anticipated future events and anticipated results that are forward-looking in nature and, as a result, are subject to certain risks and uncertainties, such as general economic, market, financial and business conditions, competition for and availability of qualified staff and contractors, regulatory processes and actions, technical issues, new legislation, uncertainties resulting from potential delays or changes in plans, uncertainties resulting from working in a new political jurisdiction, uncertainties regarding the results of exploration, uncertainties regarding the timing and granting of prospecting rights, uncertainties regarding the timing and granting of regulatory and other third party consents and approvals, uncertainties regarding the Company's or any third party's ability to finance, execute and implement future plans and programmes, and the occurrence of unexpected events. Actual results achieved may vary from the information provided herein as a result of numerous known and unknown risks and uncertainties and other factors.

****ENDS****

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<https://albamineralresources.com/link/PGKkoP>

For further information, please visit the Alba Mineral Resources plc investor website (www.albamineralresources.com) and sign up to receive news and engage with the Alba management team. Subscribe to our news alert service (<https://alba-l.investorhub.com/auth/signup>) and visit @AlbaMinerals on X (formerly Twitter).

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Alba's Projects & Investments		
<i>Projects Operated by Alba</i>	<i>Location</i>	<i>Ownership</i>
Clogau (gold)	Wales	100%
Dolgellau Gold Exploration (gold)	Wales	100%
Gwynfynydd (gold)	Wales	100%
<i>Investments Held by Alba</i>	<i>Location</i>	<i>Ownership</i>
Motzfeldt Critical Metals Project	Greenland	25.5%
GreenRoc Strategic Materials Plc (graphite - anode)	Greenland	25.34%
Horse Hill (oil)	England	11.765%
<i>Earn-in Projects</i>	<i>Location</i>	<i>Earn-in Rights</i>
Finnsbo (rare earths, copper, gold)	Sweden	Up to 100%

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