

TEST REPORT

Quantification of Li and Na in a Pouchcell Sample

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REPORT NO.

IWTN/W000020339RLM002

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List of Revisions

Rev.	Date	Revision details	Author	Issue
IWTN/W000020339RL001	17/09/2026	First Report	Greg Watson	
IWTN/W000020339RLM001	21/09/2026	Updated sample description and origin of samples	Greg Watson	
IWTN/W000020339RLM002	22/09/2026	Wording change requested in experimental	Greg Watson	

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Test Report

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Samples submitted

Intertek Sample Reference	Sample Description	Customer Identifier
IWTN/W000020339-1	Cell 1	(Sample Name – Intertek Kaufbeuren) Pouchcell - KAU2607281108-002

Description of work required

Quantification of Li and Na by ICP-OES using UKAS Accredited methodology.

Experimental

The samples were delivered in a tear down condition by Donut Lab. The samples are identified by Intertek to be the same as referenced in Intertek report – 2608094STO-003.



Picture 1. Representative sample of active components (anode, cathode and current collector parts) an equal amount was cut away from each sample in the bags to make up the analysed sample.



Approximately 0.5g was cut away from one cell (constituted of anode, cathode and current collector parts) of the sample. This was weighed into a microwave vessel and digested in a high-pressure microwave with nitric acid. The resulting digest was filtered and made up to a 50ml with ultra-pure water. The resulting digested solution was analysed against matrix matched standards using a Perkin Elmer Avio 550 Max ICP-OES.

Please note that only the active parts of the pouchcell were analysed. This includes the anode, cathode and current collector parts. The external pouch material was not included in the analysis carried out.

Results

Sample	Li	Na
	ppm w/w	ppm w/w
Pouchcell - Cell 1	3.4	632

The instrumental uncertainty was better than 5% relative.



Report authorisation

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Date: 22/09/2026

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(A) Date: 22/09/2026

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