**eData item #1247**

**Grant Number**: 10043366, FIRG005, FIRG006, and FIRG057

**Sponsor:**

**Project title**: Pre-Treatment and Valorisation of Critical Materials from Lithium-Ion Batteries Using Electrostatic and Magnetic Separation

The following files have been archived:

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| **File name** | **File description (Short description of content, sample size, format, any linking between different types of data, i.e. survey and interviews/focus groups)** |
| Mass\_Balance.xlsx | .xlsx spreadsheet containing a mass balance of materials after optical sorting into: Anodes, Cathodes, Separators, Pouch, and Unliberated materials. This was performed for 3 cell chemistries: Nissan Gen1 (LMO-NCA), Nissan Gen2 (NMC) and A123 (LFP) pouch cells.  |
| Teardown\_Sunburst\_Plots.xlsx | .xlsx spreadsheet showing the mass balance of anode, cathode, separator, pouch, and electrolyte from the 4 characterised cell types.  |
| FTIR-NMC.CSV | .csv file of Fourier Transform infrared spectroscopy of materials from the NMC pouch cells |
| FTIR-LMO.CSV | .csv file of Fourier Transform infrared spectroscopy of materials from the LMO-NCA pouch cells |
| FTIR-LFP.CSV | .csv file of Fourier Transform infrared spectroscopy of materials from the LFP pouch cells |
| FTIR-LCO.CSV | .csv file of Fourier Transform infrared spectroscopy of materials from the LCO pouch cells |
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**Publications**: (based on this data, if any)