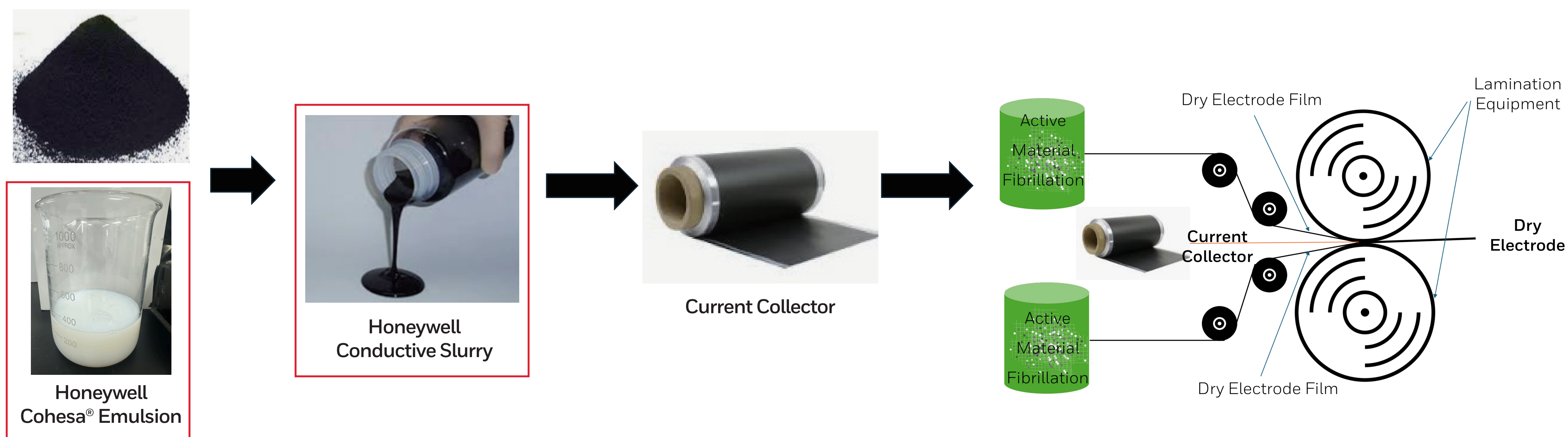


CONDUCTIVE PRIMER FOR DRY ELECTRODE BATTERY

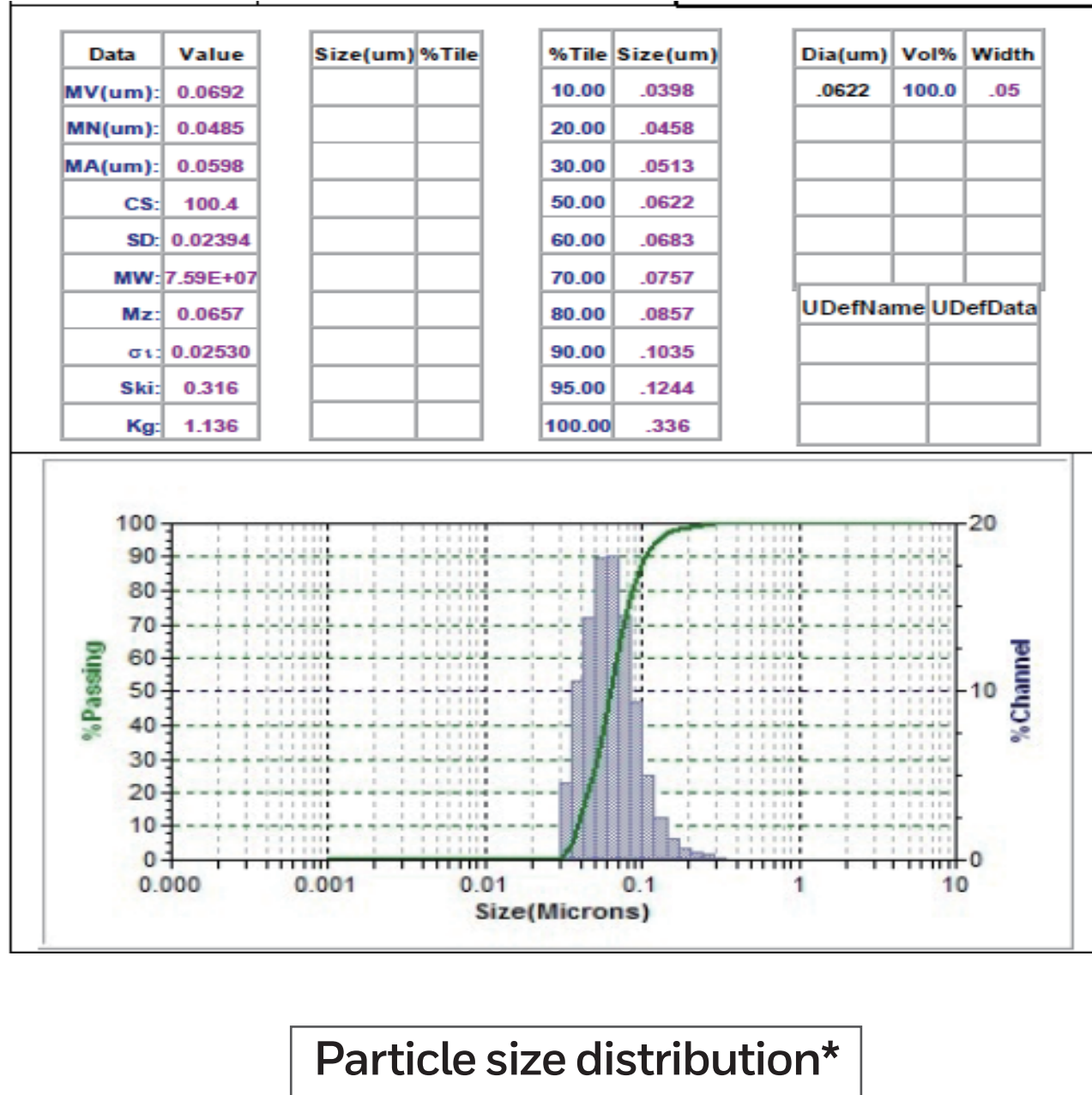
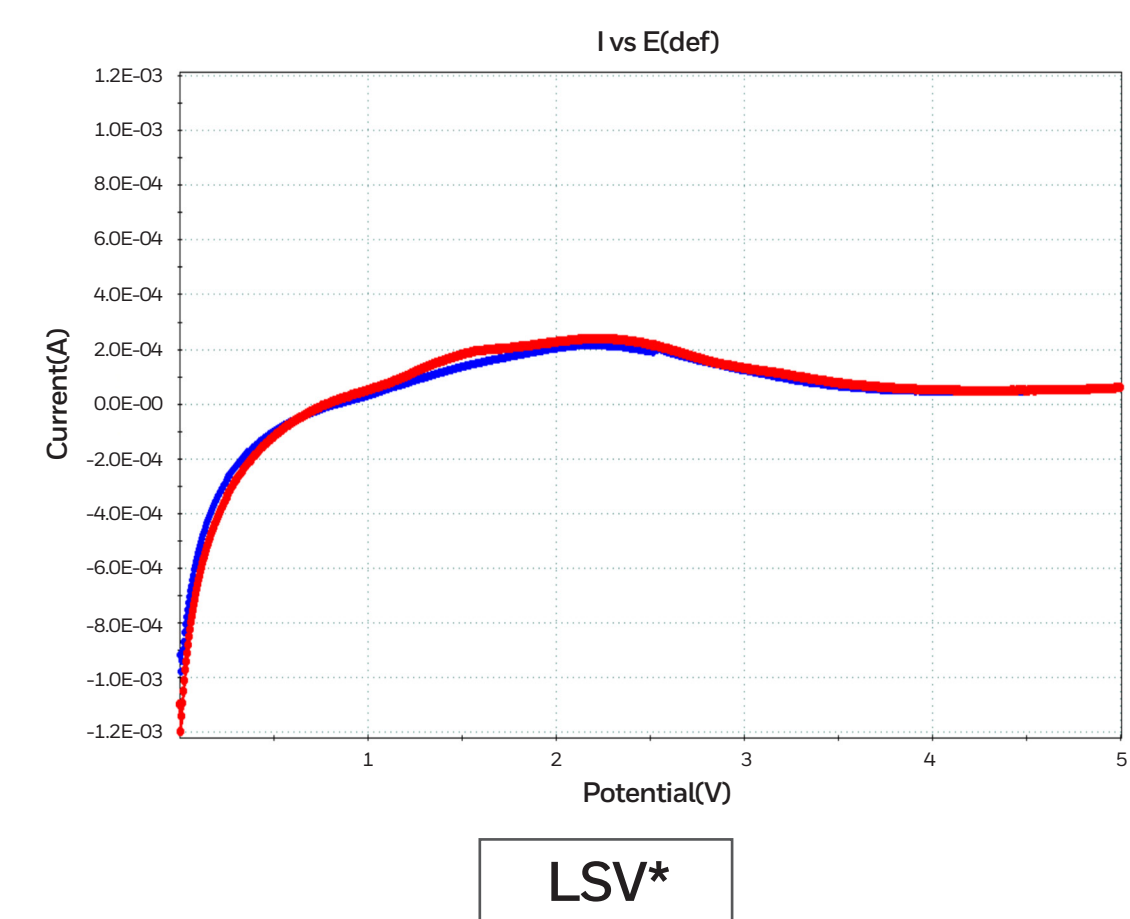
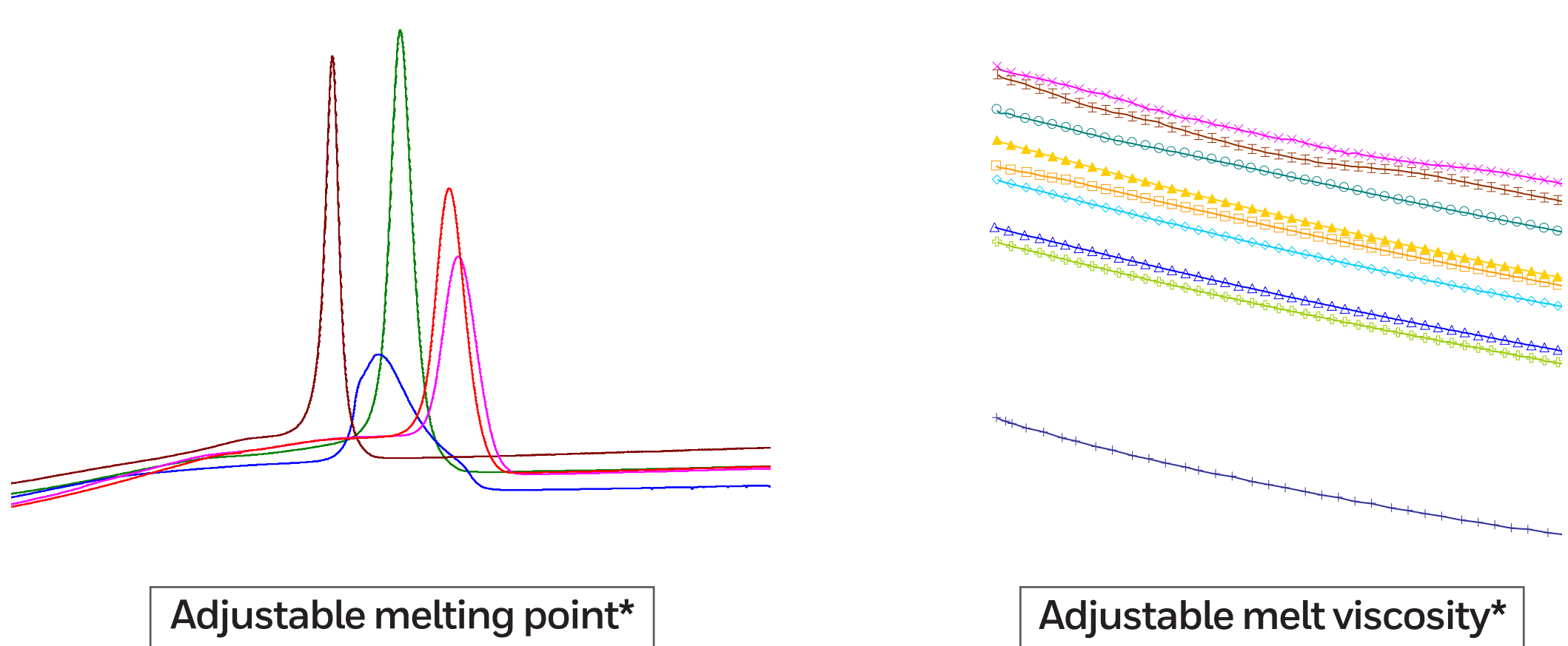
Executive Summary

Dry electrode technology marks a significant advancement in lithium-ion battery manufacturing by eliminating the need for solvent-based processing. Unlike wet-process batteries, dry-process systems rely heavily on a carbon-coated current collector to ensure effective adhesion and electrical performance. Water-based Cohesa® solutions are specifically developed to meet the demands of dry electrode manufacturing. Cohesa® primer uses customizable polymers that offer tunable molecular weight, viscosity, and melting point which enables enhanced adhesion and reduced lamination temperature. Furthermore, Cohesa® Primer and conductive slurry demonstrate excellent adhesion with dry-processed electrode film, high voltage resistance, and high temperature electrolyte resistance which benefit battery safety, cycling and overall performance.



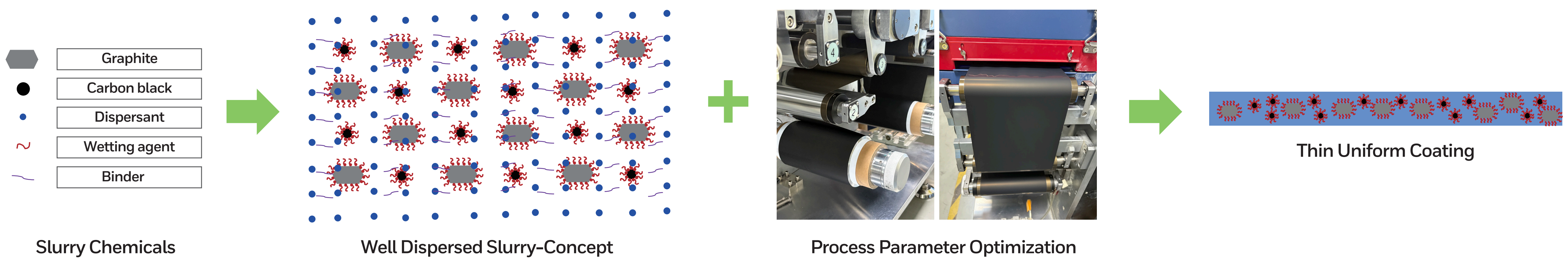
Cohesa® Primer

- Specially designed surfactant free water-based emulsion system for battery applications (Honeywell Intellectual Property)
- Emulsion with a small particle size & narrow mono-modal particle size distribution
- Excellent storage and mechanical stability.



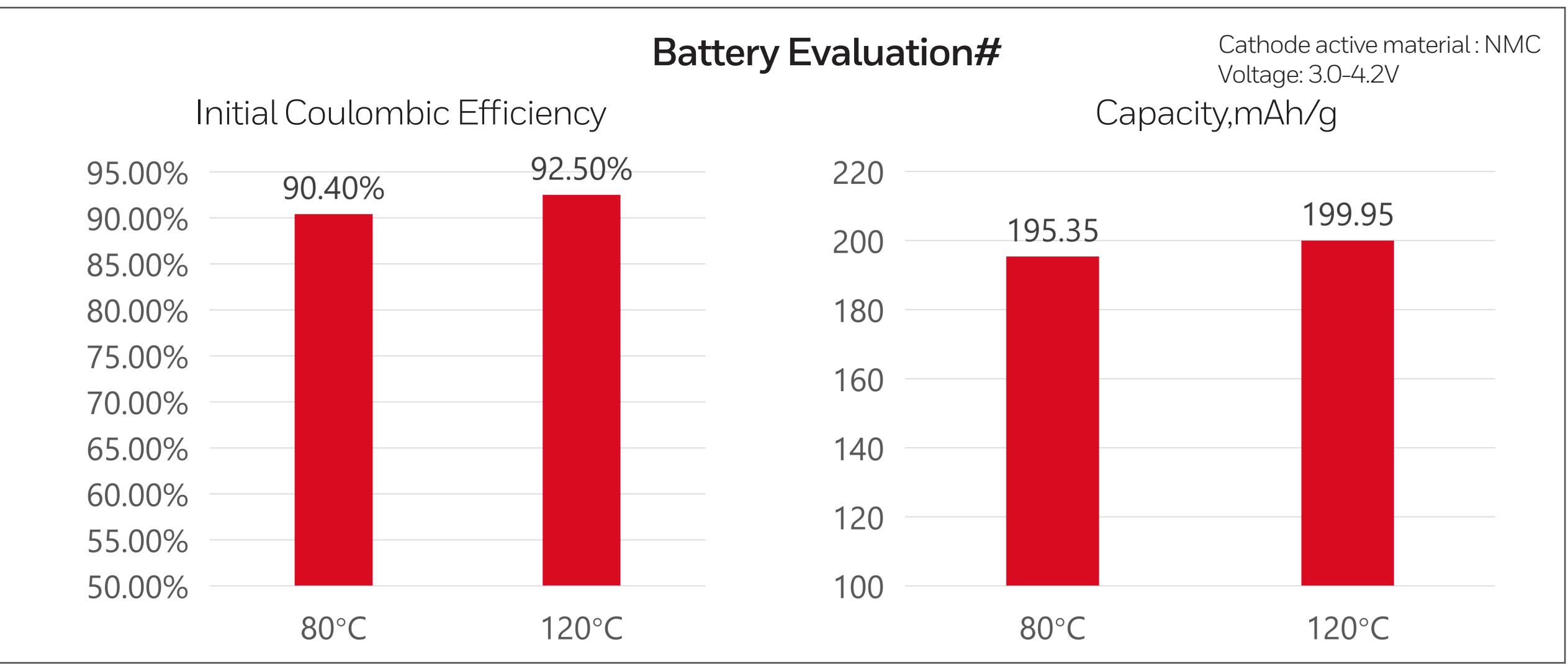
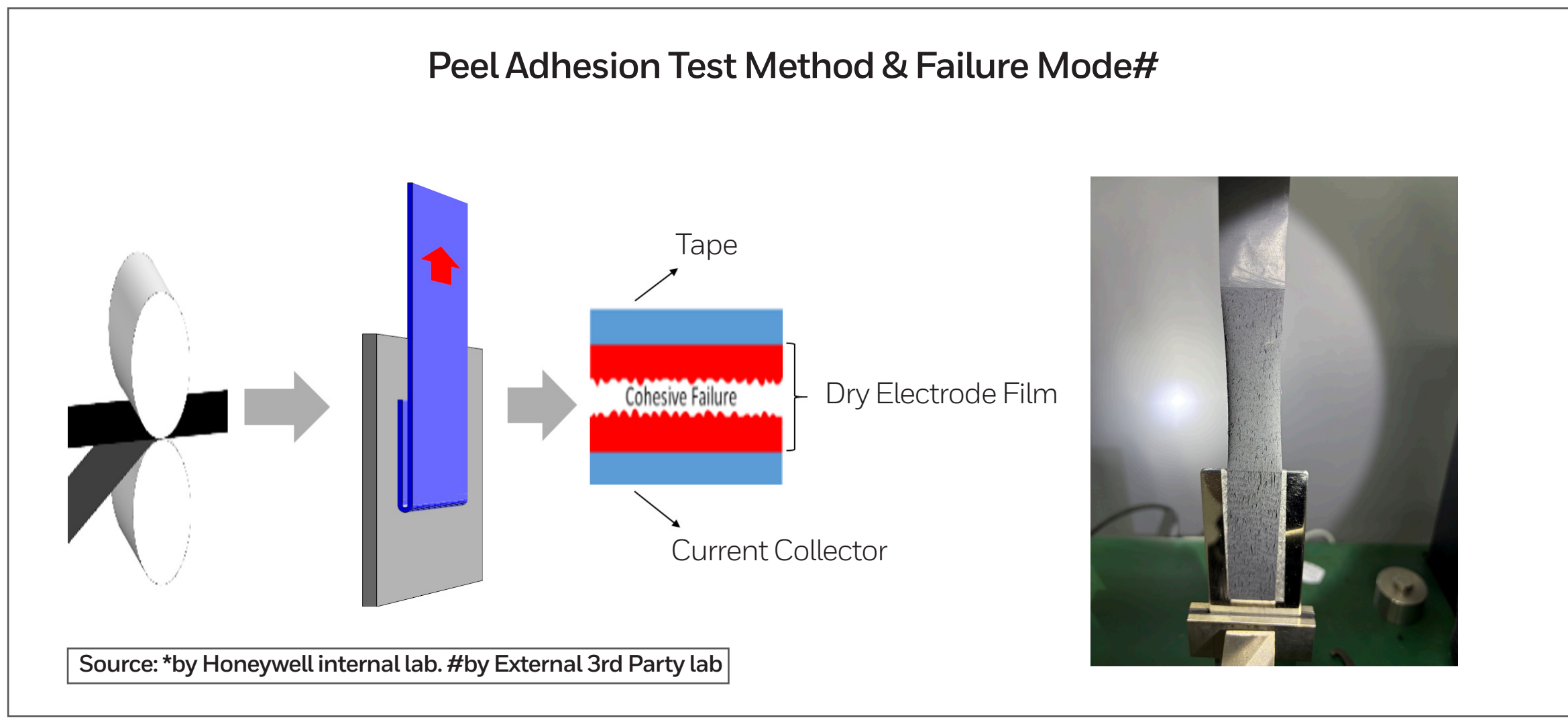
Conductive Slurry

- Suitable for micro-gravure and gravure printing process
- Thin coating thickness (< 2um can be achieved)



Cohesa® Solution Enables Improved Processing and Battery Performance

- Reduced lamination temperature during dry-process operations
- High temperature electrolyte resistance (verified @ 60°C, 48h immersion condition)
- High voltage resistance (5V)
- Excellent lamination performance between carbon-coated aluminum foil and dry electrode film



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