

27 February 2026

Successful Completion of Fourth Pilot Production of Nullarbor™ Fibres

- **Fourth pilot spin of Nullarbor™ fibre completed with co-development partner Birla Cellulose**
- **Spin confirmed material met specifications and passed dissolution and spinnability trials**
- **580kg of Nullarbor™ fibres were produced – the Company's largest single production run to date**
- **Fibre to be shipped to Paradise Textiles for conversion into yarn and fabric**
- **Fabric to be shared with high profile commercial development partners and potential customers for evaluation and next-stage collaboration**

Advanced biomaterials company **Nanollose (ASX: NC6)** ("Nanollose" or the "Company") is pleased to advise the successful completion of the fourth pilot spin of its proprietary Nullarbor™ forest-friendly lyocell fibres, undertaken with strategic partner Birla Cellulose in India.

Nanollose has received confirmation that the fourth spin material met required technical specifications and successfully passed dissolution and spinnability trials, validating the Company's microbial cellulose feedstock within an existing lyocell production environment.

The fourth spin utilised a 200kg batch of processed microbial cellulose, produced by Nanollose's long-term supply partner Hainan Guangyu Biotechnology using a new washing and treatment process (refer *ASX Announcement 5 January 2026*). The batch yielded 425kg of Nullarbor-25™ and 155kg of Nullarbor-30™ fibres, comprising respectively 25 / 30% microbial cellulose and 75 / 70% FSC-certified wood pulp, representing the largest single production run achieved to date.

Importantly, this pilot production spin represents the first full validation of Nanollose's microbial cellulose acting as incremental, fungible feedstock within Birla Cellulose's lyocell process without the need for additional pre-processing, supporting scalability and commercial adoption.

Next Steps: Downstream Processing and Partner Evaluation

With the fourth spin successfully completed, the Company's immediate next steps include:

- Conversion of the Nullarbor™ fibres into yarns and fabrics at Paradise Textiles, the innovation hub of global textiles company Alpine Group and a long-term co-development partner of Nanollose.
- Distribution of yarns and fabrics to Nanollose's commercial development partners and potential customers for testing, evaluation and product development.
- Continued engagement with development and manufacturing partners to advance commercialisation pathways and scale-up planning.

The Company expects these downstream activities to provide critical data and partner feedback to inform next-stage production strategies.

CEO and Managing Director, Mr Andrew Moullin said:

“The completion of the fourth pilot spin represents a significant milestone for Nanollose. During the spin, areas for further improvement were identified, and it is exciting that process improvements recently identified in our lab should not only address these areas but drive us further forward. Notwithstanding that our attention is focused on simplifying production and reducing costs so we can scale, it is gratifying to receive confirmation that the fibre has met specification and passed dissolution and spinnability trials.

Importantly, this production run delivers the largest quantity of Nullarbor fibre to date and allows us to progress immediately into downstream yarn and fabric manufacturing with Paradise Textiles. Sharing these materials with our commercial development partners and potential customers is a key step as we continue to work collaboratively to refine product performance, evaluate end-use applications and progress toward scalable production.

ENDS

AUTHORITY AND CONTACT DETAILS

This announcement has been authorised by the Board of Directors of Nanollose.

For further information, please contact:

Mr Andrew Moullin

CEO & Managing Director

Email: andrew.moullin@nanollose.com

Phone: 08 9389 3120

Henry Jordan

Six Degrees Investor Relations

Email: henry.jordan@sdir.com.au

Phone: 0431 271 538

ABOUT NANOLLOSE

Nanollose Limited (ASX: NC6) is a leading biomaterials company commercialising scalable technology to create fibres, fabrics and other novel materials with minimal environmental impact. Nanollose's, eco-friendly fermentation process can use agricultural waste and by-products to produce cellulose, a versatile raw material traditionally produced from trees via the wood pulping process. The company then uses this 'Tree-Free' cellulose as an input for its range of innovative biomaterials including its Nullarbor™ fibres, MicroGel™ horticultural medium, and its emerging animal-free and plastic-free leather-like materials.

Nanollose filed a joint patent application with strategic partner, Birla Cellulose, for its high tenacity, Tree-Free Nullarbor lyocell fibre in 2021. Work has now moved out of the laboratory and into Birla Cellulose's pilot production facilities in India where we have completed four successful pilot production runs to date totalling over 1.6 tonnes of fibre. Quantities of these fibres have since been sent to several collaborators and been converted into yarns, fabrics, and garments for testing and evaluation, prior to potential uptake by partners.