

4 October 2023

## European patent approval secured for Jelli Grow™ technology

### Highlights:

- Approval granted from the Europe Patent Office for application titled ‘Plant Growth Media and Method for Making Same’
- Patent covers Nanollose’s original wet-gel Jelli Grow™ seed raising formulation
- Successful application marks Nanollose’s first patent approval in Europe and further strengthens this patent family which has already been granted in China and Japan
- Approval further expands the Company’s global IP portfolio, with additional patent applications pending for Biollose™ and Nanollose’s flagship tree-free fibre technologies across key international jurisdictions

Leading bio-materials company Nanollose Limited (ASX: NC6) (“Nanollose” or the “Company”) is pleased to advise that the European Patent Office has granted its patent application titled “Plant Growth Media and Method for Making Same” (European Patent Number 3,609,312) (the “Patent”).

The successful application marks the Company’s first granted patent in Europe. This patent family has also been granted in China and Japan and remains pending in other jurisdictions.

The Patent covers Nanollose’s original wet-gel formulation of its Jelli Grow™ seed raising medium. While the Company’s primary focus is currently on its new dry powder Biollose™ formulations for Jelli Grow™ and MicroGel™ (*refer ASX Announcement 7 September 2023*), the European patent provides important protection from potential competitors in a large market. It also augurs well for the prospects of Nanollose’s recent patent application covering its Biollose™ technologies (*refer ASX Announcement 15 May 2023*).

### Global patent portfolio

In addition to its expanding patent portfolio in the horticultural space, Nanollose continues to expand its portfolio of intellectual property for fibre technologies. The Company’s patent family relating to its viscose technology, which was granted in the USA earlier this year (*refer ASX Announcement 14 March 2023*), has recently been granted in both Australia and India, and continues through the examination process in other jurisdictions.

The Company’s joint patent application with Grasm Industries, titled ‘A High Tenacity Regenerated Cellulosic Fibre’ (WO 2022/153170A1), is also progressing through the international patent system. It recently entered the National Phase in accordance with the World Intellectual Property Organisation’s (WIPO) Patent Cooperation Treaty, and has subsequently been filed in several key markets and jurisdictions.

**Executive Chairman, Dr Wayne Best said:** *"We are pleased to confirm another patent granted for Nanollose's suite of technologies in a major market. As well as expanding our international IP portfolio, formal approval from the European Patent Office provides further validation of the Company's innovative technologies. Moreover, it provides protection from potential competitors to our range of Biollose products in a major market. Along with our recent production milestones and the signed MOU for entry into a supply agreement for MicroGel™ with Australian technology company Greenspace, this key patent approval adds to the group's broader momentum as part of our stated R&D and commercialisation strategy."*

## **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 two successful production runs to date totalling half a tonne of fibre, 350kg of Nullarbor-20™ and 150kg of Nullarbor-30™. Quantities of this fibre 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.

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## **AUTHORITY AND CONTACT DETAILS**

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

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