

# Specification

Technical Data Sheet

**CAS****26873-85-8****STORAGE****Ambient****MOLECULAR WEIGHT****ca 400,000****PRODUCT****Ficoll® 400**

|                          |                                                                                                    |
|--------------------------|----------------------------------------------------------------------------------------------------|
| <b>Product number</b>    | 24153174                                                                                           |
| <b>CAS number</b>        | 26873-85-8                                                                                         |
| <b>Molecular formula</b> | [C <sub>12</sub> H <sub>22</sub> O <sub>11</sub> . C <sub>3</sub> H <sub>5</sub> ClO] <sub>n</sub> |
| <b>Molecular weight</b>  | ca 400,000 g/mol                                                                                   |

**PARAMETER****SPECIFICATION**

|                                  |                                          |
|----------------------------------|------------------------------------------|
| <b>Appearance</b>                | White odourless powder                   |
| <b>Molecular Weight</b>          | 350 000 - 550 000                        |
| <b>Loss on Drying</b>            | <5.0%                                    |
| <b>pH</b>                        | 7 - 9                                    |
| <b>Absorption</b>                | <0.45                                    |
| <b>Bacterial endotoxins</b>      | <10.0IU/g                                |
| <b>Chloride (Cl-)</b>            | ≤500ppm                                  |
| <b>Intrinsic Viscosity</b>       | 0.14 - 0.20                              |
| <b>Solubility</b>                | Clear, Colourless (10%,H <sub>2</sub> O) |
| <b>Specific optical rotation</b> | 53 - 59                                  |
| <b>Sulphated Ash</b>             | <0.3%                                    |
| <b>TAMC</b>                      | <100cfu/g                                |
| <b>TYMC</b>                      | <10cfu/g                                 |

**SPECIFICATION  
STATEMENT**

The values stated above represent the standard specification for this product, issued under **Molekula Ltd**'s quality management system. Batch-specific results are provided on the Certificate of Analysis.

**STORAGE**

Store as indicated on the product label, away from light, moisture and incompatible materials.

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**Molekula Ltd** would like to thank you for your support of our products and service.

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