

**UNITED STATES DEPARTMENT OF AGRICULTURE  
MARKETING AND REGULATORY PROGRAM  
AGRICULTURAL MARKETING SERVICE**

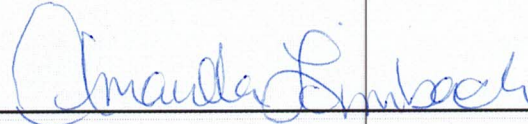
**EQUIPMENT ACCEPTANCE CERTIFICATE**

Firm: MANN + HUMMEL Water & Fluid Solutions, Inc.  
Via della Pineta, 23 61032  
Fano (PU) Italy

Model Designation: Clean-In-Place, Sprial Wound Crossflow Membranes:  
TRISEP® DS and TurboClean® Filter Elements:  
Reverse Osmosis (RO): ACM1, ACM2, ACM3, ACM4, ACMX, X-20  
Nanofiltration (NF): TS80, TS50, TS40, XN45, XPNF, UA60,

4/24/2024

Date of Issuance



U.S. Department of Agriculture  
Marketing and Regulatory Program  
Agricultural Marketing Service  
Dairy Grading Branch  
1400 Independence Ave., SW  
Washington, DC 20250-0230

4/23/2029

Date of Expiration

The issuance of this form is based on U.S. Department of Agriculture, Dairy Grading Branch, Equipment Design Review Section, evaluation of the equipment listed above for compliance with:

3-A Sanitary Standard 45-03 (Crossflow Membrane Modules)

This form does not limit USDA's responsibility to take appropriate action in cases in which evidence of non-compliance, improper maintenance, or non-sanitary conditions have been observed.



United States Department of Agriculture



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*NP030\*, NP010\**

*Ultrafiltration (UF): UF5, UF10, 5kUF, 10kUF, UE50, UB50, UB70, UH004\*, UP005\*,  
UP010\*, UP020\*,*

*UH030\*, UH050\*, UP150\*, UV150, UF400*

*Microfiltration (MF): MP005\*, MV020*

*\* = Polypropylene Substrate/Backing*