



Graver Technologies

QUALITY CERTIFICATE CERTIFICATE OF CONFORMANCE QMA Filter Elements

Product Construction:	Material: Polypropylene Filter Media: depth filter Filtration Area: Approximately 7.7 square feet /10 inches
Sanitization:	
Cleaning / Sanitization	Compatible with most common chemical cleaning, sanitizing and sterilizing agents and with pH range from 1-14. Consult factory for specific compatibility information. Cartridge will withstand hot water at 176°F (80°C) at 5 psid (0.35 bar) for 30 minutes.
Steam / Autoclave	Cartridges may be autoclaved for 30 minutes at 250°F (120°C) under no end load conditions. Cartridges fitted with steam insert may be steamed for at least 10 thirty minute cycles at 275°F (135°C) nt to exceed 3 psid (0.21 bar)
Expiration Date:	4 years from ship date providing filters are stored unopened in a dry and ambient environment. Ideal temperature is 25°C.
USP Class VI	Meets USP Class VI Biological Test for Plastics
FDA Listed Materials	All Materials comply with FDA Title 21 of the Code of Federal Regulations Sections 174.5, and 177.1520, as applicable for food and beverage contact.
Endotoxin level:	Limulus Amebocyte Lysate CB028 test indicated bacterial endotoxins were not present in distilled water at 0.25 EU / ml
Extractable content:	Test indicate that Non-Volatile Residue, Residue on Ignition and Heavy Metals meet USP limits
European Directive for Direct Food Contact	European Regulations No 1935/2004, European Regulation 10/2011 and European Regulation 2023/2006: Tested for migration behavior in direct food contact. Minimal rinse required for use. GMP is utilized to make the filters. Data available upon request.

This document is to certify that the QMA Series Filter Elements are produced and distributed according to a Quality Management System that is registered for compliance to EN ISO 9001:2015. All data concerning materials used and production data are documented and accessible under the individual lot number.

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