

<b>Product PN</b>	1213641, 1213192, 1214014, 1229443, 1270152, 1214778, 1214932, 1214966, 1229444, 1227275, 1226939, 1226941, 1226940, 1229445	<b>Mod.</b> 984
<b>Description</b>	<b>30 mm Cameo Syringe Filters w/ Cellulose Acetate Membrane</b>	<b>Rev.</b> 02



## 30 mm Cameo, Cellulose Acetate (CA)

<b>PRODUCT DESCRIPTION</b>	Non-Sterile 30mm Syringe Filter made of Polypropylene Housing assembled with various pore sizes of Cellulose Acetate (CA) Membrane							
	Membrane Material	Pore Size (um)	Color	Packaging 50/pk	Packaging 200/pk	Packaging 500/pk	Packaging 1000/pk	Packaging 5000/pk
	Cellulose Acetate (CA)	0.22	Transparent	1213641	1213192	1214014	1229443	1270152
	Cellulose Acetate (CA)	0.45	Transparent	1214778	1214932	1214966	1229444	1227275
	Cellulose Acetate (CA)	0.80	Transparent	1226939	1226941	1226940	1229445	N/A
<b>MANUFACTURER NAME</b>	<b>GVS North America</b> <b>63 Community Drive</b> <b>Sanford, Me 04073</b> Phone: +1.866.736.1250 eMail: <a href="mailto:CustomerCareGVSLs@gvs.com">CustomerCareGVSLs@gvs.com</a> - Website: <a href="http://www.gvs.com">www.gvs.com</a>							
<b>INTENDED USE / APPLICATION</b>	<b>Applications</b> <ul style="list-style-type: none"> <li>Analytical sample preparation</li> <li>Biological fluids</li> <li>Buffer solutions</li> <li>Sterile filtering of tissue culture media</li> <li>Protein aqueous solutions</li> </ul>							
<b>MATERIALS</b>	<b>Filter media:</b> Cellulose Acetate <b>Frame/Housing Polymer:</b> Polypropylene <b>Color:</b> Transparent <b>Other insert(s):</b> N/A <b>Regulatory Documentation Required:</b> <ul style="list-style-type: none"> <li><input type="checkbox"/> Biocompatibility according ISO 10993-1</li> <li><input type="checkbox"/> IMDS</li> <li><input type="checkbox"/> DEHP plasticizer Free and latex free</li> </ul>							

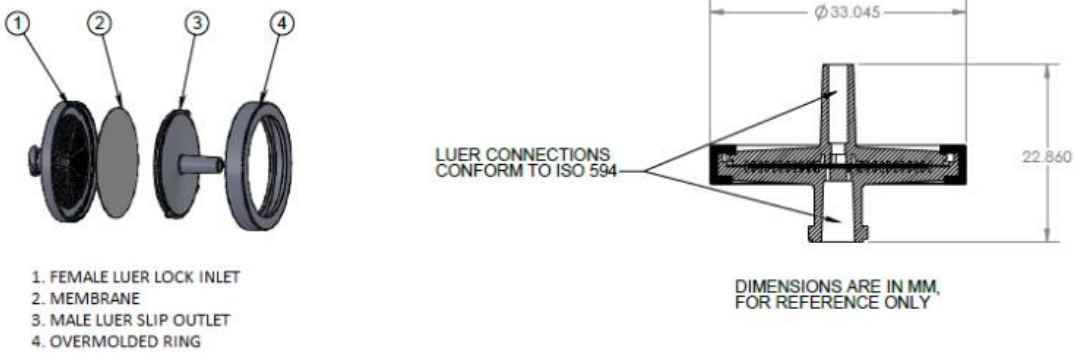
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	<input checked="" type="checkbox"/> Rohs, Directive 2002/32/CE <input type="checkbox"/> Aging <input checked="" type="checkbox"/> BSE/TSE, directive 2003/32/CE <input checked="" type="checkbox"/> 1907/2006/CE (hazardous substances regulation) <input type="checkbox"/> Dir. 67/548/CE and Reg. 1272/2008/CE (medical sector dangerous substances) <input checked="" type="checkbox"/> Conflict minerals
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<b>PRODUCT CHARACTERISTIC</b>	<p><b>Characteristics</b></p> <p>Membrane Material: Cellulose Acetate          Membrane Diameter: 30 mm          Effective Filtration Area: 4.8 cm<sup>2</sup>          Housing Diameter: 33 mm          Housing Material: Pure polypropylene is heat-sealed without the use of glues or sealants          Inlet / Outlet: FLL-MLS          Prefilter: 1.0 μ binderless glass-fiber, in some configurations          Holdup Volume: &lt;70 microliter          Maximum Operating Temperature: 82°C/180°F          Maximum Operating Pressure: 80 psi          Sterile: No</p>
<b>PRODUCT SHELF LIFE</b>	When stored under normal storage conditions, this product should be stable for 5 years
<b>STERILIZATION</b>	<p>This is a non-sterile product, compatible with these sterilization techniques*:</p> <p><input checked="" type="checkbox"/> EtO  <input checked="" type="checkbox"/> Gamma (up to 40 kGy)  <input type="checkbox"/> Autoclave (121°C)  <input type="checkbox"/> eBeam</p> <p><i>*user has the responsibility to validate their process</i></p>
<b>COMPLIANCE</b>	The Quality management system is in compliance with ISO 9001:2015

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**DRAWING**



1. FEMALE LUER LOCK INLET  
2. MEMBRANE  
3. MALE LUER SLIP OUTLET  
4. OVERMOLDED RING

LUER CONNECTIONS CONFORM TO ISO 594

DIMENSIONS ARE IN MM, FOR REFERENCE ONLY

**VISUAL REQUIREMENTS**

*Visual acceptance requirements apply when inspected under below conditions:*

**Magnification:**  
**Light type:**  
**Timings:**

Acceptance Requirement			Sampling Plan
1	Mold Flash	<0.2 mm	100%
2	Voids/Sinks	None	100%
3	Short shots	None	100%
4	Missing/Jutting Media/Mesh	None	100%
5	Scuffing	Total length of scuff exceed 2 ribs	100%
6	Luer Damage	None	100%
7	Weld Damage	None	100%
8	Heat Stake Issues	None	100%
9	Spots Molded in Plastic	None	100%
10	Discoloring	None	100%
11	Mesh out of Place/Media Off-Center	None	100%
12	Pad Printing Incomplete	None	100%
13	Embedded Particles	< 0.8 mm <sup>2</sup> (Maximum 3 particles)	100%



# PRODUCT SPECIFICATION

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PERFORMANCE REQUIREMENTS	Acceptance Requirement			Sampling Plan	
	Pore size	0.22 um	0.45 um	0.80 um	AQL 0.1 Special inspection level S3
	Pressure	≥ 80 PSI 10 Seconds	≥ 80 PSI 10 Seconds	≥ 80 PSI 10 Seconds	ANSI/ASQ Standard Z1.4 - 2008
	Bubble point	45	27	12	AQL 0.1 Special inspection level S3

This material specification describes the properties of product above indicated.  
 This document contains general requirements, material description, drawing references, defect specification, biological material requirements.

## REVISIONS AND APPROVALS:

DATE	REV.	REASON FOR CHANGE	ISSUED AND CONTROLLED BY: (name /function and signature)	APPROVED BY: (name /function and signature)
11/18/19	0	Initial Release	Joe DeSisto, Director, Process Engineering 	Kevin Wrigley, Director, Quality 

## Customer Approval:

**We accept this material specification as a part of the agreed terms of delivery**

**Company name** \_\_\_\_\_

**Approved by:** \_\_\_\_\_  
 (Name, Function) (Signature)

**Date** \_\_\_\_\_  
 (Company stamp)

Please send back this document signed for approval. If we will not receive this specification signed, we consider the first order placed as implicit approval.