PRODUCT SPECIFICATION

Product PN	**1214978, 1213943, 1212597, 1212602, 1212590**	**Mod. 984**
Description	**0.45 µm Supported Nitrocellulose (NC/MCE) Membrane Sheets and Rolls**	**Rev. 01**

0.45 µm Supported Nitrocellulose (NC/MCE) Membrane Sheets and Rolls

NITRO Plus
Supported Nitrocellulose

PRODUCT DESCRIPTION	**0.45 µm Supported Nitrocellulose (NC/MCE) Membrane Sheets and Rolls**

Part Number	Geometry	Dimensions	Packaging
1214978	Sheet	70 x 84 mm	10/pk
1213943	Sheet	100 x 100 mm	10/Pk
1212597	Sheet	200 x 200 mm	5/Pk
1212602	Roll	200 x 3000 mm	1/Pk
1212590	Roll	300 x 3000 mm	1/Pk

MANUFACTURE NAME	GVS North America, Inc. 63 Community Drive Sanford, ME 04073 Phone: +1.866.736.1250 Email: CustomerCareGVSLS@gvs.com Website: www.gvs.com
INTENDED USE/ APPLICATION	Nitrocellulose transfer membrane is naturally hydrophilic and binds protein and nucleic acids. Nitrocellulose is used in protein & immunoblotting applications, Westerns and Northern & Southern blotting.
MATERIALS	Membrane: nitrocellulose/mixed cellulose esters supported Membrane Regulatory Documentation Required: ☐Biocompatibility according ISO 10993-1 ☐IMDS ☐Rohs, directive 2002/95/CE ☒BSE/TSE, directive 2003/32/CE ☐DEHP plasticizer and latex free ☐Aging ☒Reach 1907/2006/CE (hazardous substances regulation) ☐Dir. 67/548/CE and Reg. 1272/2008/CE (medical sector dangerous substances) ☒Conflict minerals ☒USP Class VI

PRODUCT SPECIFICATION

Product PN	**1214978, 1213943, 1212597, 1212602, 1212590**	**Mod. 984**
Description	**0.45 µm Supported Nitrocellulose (NC/MCE) Membrane Sheets and Rolls**	**Rev. 01**

PRODUCT CHARACTERISTICS	**Appearance/Visual:** • Membrane of choice for protein or immunoblotting Applications • Supported for procedures requiring rigorous handling • Low background, easily blocked • Multiple reprobings • Wets out naturally • Compatible with radioisotopic, chromogenic and chemiluminescent detection systems.
WARNINGS	Nitrocellulose membrane is highly flammable. Keep away from heat and open flame. Flash point is approximately 200°C.
PRODUCT SHELF LIFE	5 years in normal storage conditions: Store the product at room temperature away from chemical vapors, in a dry place, free of dust and not exposed to direct sunlight.
STERILIZATION	This is a non-sterile product, compatible with these sterilization techniques*: ☒EtO ☒Gamma (25 – 40 kGy) ☒Autoclave (121°C) **user has the responsibility to validate their process*
PACKAGING AND LABELING	• Primary packaging:

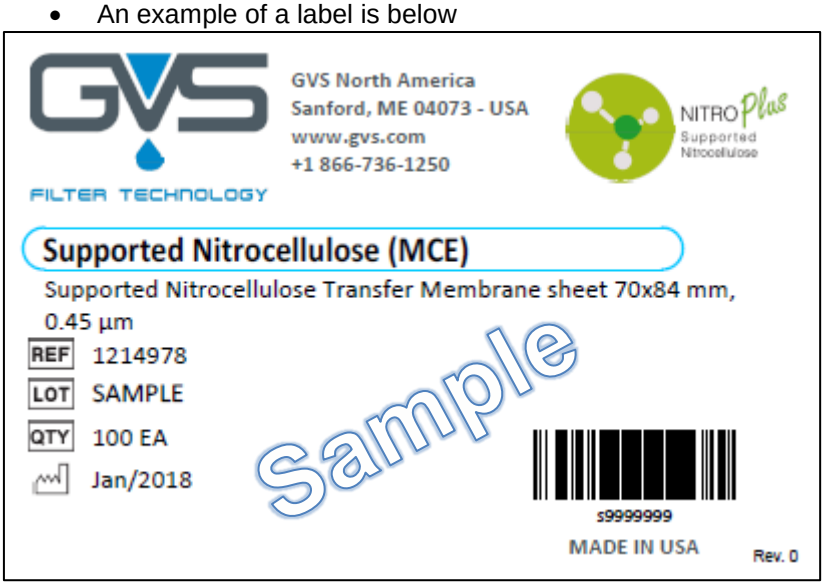
Product	Interior package	Exterior package
Sheets	Sheets separated by blue paper	White mailer
Roll	Roll on core and surrounded by blue paper	Roll placed in box

- Each configuration will be labeled with:
  - Quantity
  - Product item code and description
  - Manufacturing date
  - Lot number
  - Storage conditions

PRODUCT SPECIFICATION

Product PN	**1214978, 1213943, 1212597, 1212602, 1212590**	**Mod. 984**
Description	**0.45 µm Supported Nitrocellulose (NC/MCE) Membrane Sheets and Rolls**	**Rev. 01**

- An example of a label is below



CERTIFICATE OF COMPLIANCE

A conformity declaration will be sent to the customer for each shipment with lot number and date of manufacture. The Quality management system is in compliance with ISO 9001.

VISUAL REQUIREMENTS

Visual acceptance requirements apply when inspected under below conditions:
Magnification: None
Light type: Ambient

Acceptance Requirement		Sampling Plan
Creases/Folds	None	100% Inspection
Cracks	None	
Pin Holes	None	
Wrinkles	None	
Tension Lines	None	

PERFORMANCE REQUIREMENTS

Acceptance Requirement			Standard Test Method
1	Thickness	100-130 µm	N/A
2	Water Flow Rate	Min 12.24 ml/min/cm^2 at 10 psi	ASTM F316-03 (2011)
3	Bubble Point	30-55 psi	ASTM F316-03 (2011)

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

PRODUCT SPECIFICATION

Product PN	**1214978, 1213943, 1212597, 1212602, 1212590**	**Mod. 984**
Description	**0.45 µm Supported Nitrocellulose (NC/MCE) Membrane Sheets and Rolls**	**Rev. 01**

REVISIONS AND APPROVALS:

DATE	REV	REASON FOR CHANGE	ISSUED AND CONTROLLED BY: (name /function and signature)	APPROVED BY: (name /function and signature)
11/17/19	0	Initial Release	Debra English Manager Biochemistry Applications	Kevin Wrigley/Director of 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.