PRODUCT SPECIFICATION

Product PN	**1213991, 1213999, 1215463, 1215392, 1215469, 1215458**	**Mod. 984**
Description	**0.22 µm Nitrocellulose (NC/MCE) Membrane,Sheets and Rolls**	**Rev. 01**

0.22 µm Nitrocellulose (NC/MCE) Membrane Sheets and Rolls

NITRO Pure
Unsupported Nitrocellulose

PRODUCT DESCRIPTION	**0.22 µm Nitrocellulose (NC/MCE) Membrane Sheets and Rolls**

Part Number	Geometry	Dimensions	Packaging
1213991	Sheet	70x84mm	10/Pk
1213999	Sheet	100x100mm	10/Pk
1215463	Sheet	150x150mm	5/Pk
1215392	Sheet	200x200mm	25/Pk
1215469	Roll	200x3000mm	1/Pk
1215458	Roll	300x3000mm	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	Fill in. 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 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

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PRODUCT CHARACTERISTICS	**Appearance/Visual:** • Membrane of choice for protein or immunoblotting applications • Low background, easily blocked • 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

- An example of a label is below

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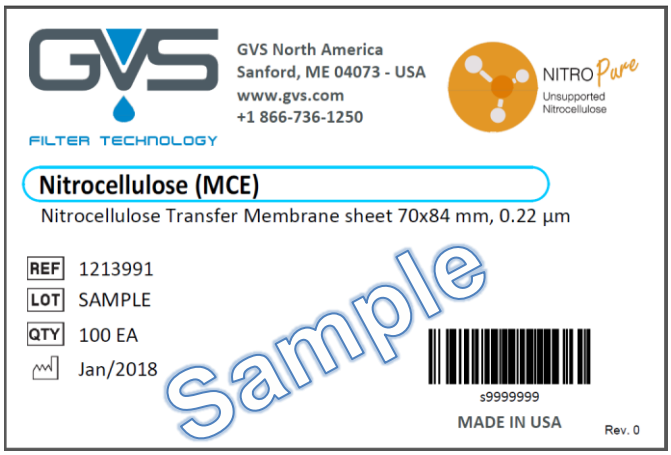

CERTIFICATE OF COMPLIANCE

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	110 – 190 µm	N/A
2	Water Flow Rate	Min 9.94 ml/min/cm^2 at 10 psi	ASTM F316-03 (2011)
3	Bubble Point	60 – 80 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.

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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.