



513-889-2118 ~ 855-357-4110 (tf) ~ 5219 Muhlhauser Rd. West Chester, Oh 45011 ~www.acesanitary.com

Certificate of Conformance

Order Details

Customer: Caltrol, Inc.- Las Vegas, NV
 Ship To: Caltrol, Inc. - Livermore, Ca
 Customer P.O. #: P289408
 Ace Sanitary Sales Order #: 00045545 0010
 Date Verified: 8/11/2022

Hose / Assembly Supplied

Assembly # TXS100MT100MT100-108-2
 Tag # Serial # 10123693

Item	Description	Heat/Lot #	Qty
TXS100	EPDM COVERED SMOOTH BORE	20-00868	108.00
SLX100-HF	304 SST GROOVED FERRULE		2.00
SLXSR050-100	304 SST SUPPORT RING		2.00
01ASSEM	ASSEMBLY	DOM:8-11-2022	1.00
PT-2	PRESSURE TEST - NC		1.00
SLX100-MT	316L SST MALE NPT	R2KN	2.00

Pressure Test Certificate:

This is to certify that the hose assembly supplied was all pressure tested using deionized water, in accordance with BS EN 1402 : 2209 clauses 8.1 "Proof Hold Test", and that the Hose Assembly passed this test without leakage, cracking, abrupt distortion, or other signs of failure.

Test Pressure (psi) 870 (Applied for at least 2 minutes)

ASSEMBLY DESCRIPTION:
 ASSEMBLY ID # 10123693
 TEST PRESSURE-00000870 PSI
 DROP LIMIT - 00000783 PSI
 DWELL - 0002 MIN 0000 SEC
 LEAK - 0000 MIN 0030 SEC
 TEST CYCLE # 0001
 MAX PRES - 00000957 PSI
 ENDING PRES - 00000851 PSI
 -----HOSE PASSED-----
 CYCLED 0001 OF 0001 TIMES
 TIME: 0009:0006
 DATE: 0811-2022

Applicable to: ALL TXS & TXS-C HOSE SERIES

FDA 21 CFR 177.1550

The PTFE material used to manufacture all the PTFE liner tubes, both natural and antistatic grades, conforms to the FDA requirements of 21 CFR 177.1550

FDA 21 CFR 178.3297 AND BS EN ISO 8031:2009 (Antistatic Grades Only)

The antistatic (TXS-C) PTFE liner tubes for all hose products conform to the requirements of 21 CFR 178.3297, requiring that the carbon black additives are high purity furnace black, less than 2.5% by weight. TXS-C liner also conform to BS EN ISO 8031:2009 requiring an electrical resistance between the hose liner and an end fitting of between 10^3 and 10^8 ohms.

3-A Sanitary Standards

The PTFE material used to manufacture the PTFE liner tubes conforms to the requirements of the 3-A 20-27 Sanitary Standard.

Applicable to: TXS & TXS-C hose types, relevant to the PTFE liner tubes and specified covers.

ASME/BPE Standard

Tube and connections conform to the requirements of the ASME/BPE Standard. All TXS and TXS-C assemblies are proof hold tested according to BS EN 1402:2209 Clauses 8.1 "Proof Hold Test" and Ace Sanitary quality standards.

USP CLASS V1 AND ISO 10993-5,6,10 AND 11 GUIDELINES

Natural and antistatic PTFE hose liners now also meet the more stringent USP Class VI ISO 10993-6,10 and 11 guidelines at 121 Deg. C (250 Deg. F) with a "no reaction" classification.

Natural and antistatic PTFE hose liners and platinum cured silicone rubber covers (white & clear) have also been tested in accordance with USP protocols and are found to conform to the requirements of the USP Class VI <87>, the L929 MEM Elution Test and are considered non-cytotoxic.

Natural and AS grade PTFE hose liners have now been further tested and have passed the more stringent USP Class VI and ISO 10993-5 guidelines at 121 Deg. C (250 Deg. F.)

TSE (Transmissible Spongiform Encephalopathy) / BSE (Bovine Spongiform Encephalopathy)

Products manufactured and supplied by Ace Sanitary have not been manufactured from, and have not been in contact with any animal derived materials, during their manufacture, cleaning, finishing or packaging.

BPSA Leachables and Extractables Testing

Ace Sanitary TXS hose natural and antistatic PTFE hose liner tube has been independently tested in accordance with BPSA recommendations, and found to be satisfactory for a particular intended use. Copies of the Test Report are available for specific assessments to be made if required.

Electrical Continuity Requirement

This is to certify that all TXS and TXS-C assemblies are Electrically continuous (EC Grade) between (metallic) end fittings with an electrical resistance of less than 10^2 ohms per hose assembly,

The level of less than 10^2 ohms per hose assembly is well within the requirements of UL 330 (less than 70,000 ohms per assembly) and BS EN ISO 8031:2009, types M.

Electropolished End Fitting Requirements

This is to certify that for all TSC and TSC-C assemblies which include metallic hygienic clamp connections, that such end fittings are internally electro-polished to a surface finish of 15Ra or better per ASME BPE SF4. Other fitting styles may be supplied to the same standard as a special added requirement.

Warranty Period

Ace Sanitary warrants its products to be free from faulty material or manufacturing defects from the date of the initial sale for 6 months.

For information:

Material Certification to EN10204 - Available separately upon request for the components supplied.

Storage Periods for T-Series Hose Products

The storage periods quoted assume that all components are stored in a manner to optimize the storage periods as stated in BS ISO 2230:2002 clause 6, 6.1 to 6.2.13

Storage Life by Material:

Indefinite Life (more than 20 years) - PTFE Tube, Stainless Steel (fittings, Braid, Helical Wires) Kynar (PVDF Braid), Hastelloy (Fittings, Braids)

Long Life (10 years or more) - Polypropylene (PB Braid, Fittings), Silicone Rubber and EPDM Rubber (Covers)

7 Years - All other rubber compounds.

Lifespans are impacted by storage conditions including but not limited to temperature, light, and other environmental conditions.



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Condition of Sale

It is a strict condition that this order is only accepted and supplied by Ace Sanitary on the understanding that the customer has reviewed, accepted and complied with the Ace Sanitary conditions of sale as stated on the Ace Sanitary website (www.acesanitary.com) at the time the order was placed.

For and on behalf of Ace Sanitary

Bryan Sharpe
Bryan Sharpe
Director of Operations

Michael Johnson
Michael Johnson
Quality Assurance Manager

SAMPLE