TF: Materials of Construction of Gas Delivery Systems Task Force

Minutes:
Date: 5Dec21
Location: Semicon West Moscone Center

Present: There were people attending live and via the web. Attendance is with SEMI.

Old Business Discussed:

Document 5682 results reviewed.

Negative #1:

Mitsuhiro Matsuda

Section A1-1.2, Text: What is Hanks Solution? Ther is no definition and/or reference

Task Force: Editorial

Task Force discussed it. Deemed that this negative was editorial in nature. The procedure can be followed without the use of Hanks Solution. The term Hanks Solution was only in the Appendix of the document. Will confirm with author that verbiage for "Hanks Solution" (a salt solution) will be added to the document.

Negative 2

Alexander Haas

A while back the author of this specification copied and pasted the ASTM G61 Spec. I rejected this at the time and requested that this rewritten.

This specification is again a regurgitation of what already exists on the market. In refenced standard, the Autor highlights, ASTM G3, ASTM G15, ASTM G61 – All known standards that manufactures today used and comply with when fabricating parts / complying to F42 standards.

At the time of a raw material (Stainless Steel/ Nickel) order – or of a product – the raw material grades are ordered and agreed upon. Its objective to make a determination that the testing of AOD/VAR or VIM/VAR grades of 316L impact Electrochemical pitting when the Author in Paragraph 3 – highlighted that - "As alloy composition and surface parameters can affect the results of the test" - YES… Impact the surface parameter and result and also the variables being tested!! The determination data by the Author to "discriminate" AOD/VAR and VIM/VAR when in fact this test can be affected by the alloy composition. This test is also a compliment to F77.

Task Force:
Discussed the negative with Alex Haas. Alex's technical discussion were deemed editorial and or resolved during the meeting. Documents 6582 is based on ASTM G61. Alex requested that SEMI contact ASTM about the two standards. Task Force recommends that SEMI discusses copyright discussions between ASTM G61 and the proposed 6582 document.

Cast Ballot Tally Summary

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Can the author's name me two other testing facilities that can provide these testing conditions? I question the motivation being this spec

Total Voting Interests/Votes: 74/82	**Voting Interest Accepts: 28 (93.33%)**	**Voting Interest Rejects: 2**
Voting Interest Returns: 39	**Return Percentage: 62.90%**	**Voting Interest Distribution: 6**

Old Business:

SEMI F32 for vacuum testing:
Doc 6612: New Subordinate Standard: Test Method for the Determination of Conductance of Fluid Handling Components at Subatmoshperic and Vacuum Pressure, to SEMI F32-0211, Test Method for Determination of Flow Coefficient for High Purity Shutoff Valves

SEMI F32 Line Item (6510) and SEMI F74 (6394) for review and hopefully be ready for next cycle.

Ask TC Chapter to authorize for ballot voting cycle 1, or 2-2022.

Submitted by:

Bill Kiikvee

Materials of Construction Task Force Chair