

# Record of Letter Ballot Review by TC Chapter for Procedural Review

Region/Locale: **North America**

Global Technical Committee: **Liquid Chemicals**

TC Chapter Cochairs: **Steve Rogers (CMC Materials), Don E. Hadder (Intel), Koh Murai (Mega Fluid Systems), Laura Ledenbach (Evonik)**

Standards Staff: **Laura Nguyen**

	Scheduled in Background Statement	Actual
Date	07/11/2023-07/12/2023	07/12/2023
Location	Moscone, San Francisco, CA/USA	Moscone, San Francisco, CA/USA
Reason for Change of Date and/or Location (if changed)		

Note: See *Regulations* ¶ 9.5 Exceptions for allowable reason to change.

## I. Document Number and Title

Document Number	Document Title
6388B	Revision to SEMI C44-0618, Specification and Guide for Sulfuric Acid

## II. Tally

Standards staff to fill in.

Voting Tally: **As-cast tally after close of voting period**

Note: A minimum of 60% of the Voting Interests that have TC Members within the global technical committee that issued the Letter Ballot must return Votes. (*Regulations* ¶ 9.6.2.1.1)

Voting Tally (with example values):

Voting Interest:	Returned Votes	Distribution	Return Rate	
Letter Ballot	59	÷ 97	= 60.8%	≥60%
Intercommittee Ballot	29			
Voting Interest Reject(s)	1	Total Voters with Rejects		1
Voting Interest Accept(s)	35			

Note: See *Regulations* § 3.2.1 for definition of Voting Interest.

### III. Rejects

#### Voting Interest Reject 1 (Voting Interest Name: **Guru**)

#### Voter Reject 1 (Voter: **Eric Sklar / Safety Guru**)

##### Negative 1

Negative	Referenced Section/ Paragraph	<b>*TF/TC Chapter to fill in, including text in the ballot if necessary.</b>		
		1.1		
Negative	Negative Text	<b>*Original complete Negative text (e.g., issue, justification, suggestion) should be copied.</b>		
		<i>Negative: Remove or relocate the second sentence.                  Reason/Justification: The second sentence does not state a purpose of this Standard. That sentence is an exception to the implicit recommendation to use the specified procedures. If the Committee endorses this position (I'm neutral on this point.), it should appear at the top of each of §§ 8, 9, 10, 11, and 12.</i>		
Withdrawal (check one)	<input checked="" type="checkbox"/>	No Negative withdrawal made by Voter.	GO TO "Related" subsection	
	<input type="checkbox"/>	Withdrawal document received by Standards staff on MM/DD/YYYY.	GO TO "Final" subsection → (A)	
Related	Motion and Reason (check one)	<input checked="" type="checkbox"/> 'Related' is mutually agreed upon. (Needs no motion.)	GO TO "Persuasive" subsection	
Persuasive	Motion and Reason (check one)	<input type="checkbox"/>	Negative is related and persuasive. (Needs >1/3 votes to pass.)	
		<input checked="" type="checkbox"/>	Negative is related and not persuasive. (Needs ≥2/3 votes to pass.)	
	Reason	The extra sentence clarifies that the purpose of the document is not to mandate the use these methods, but to document methods that do work.		
	Motion by/ 2 <sup>nd</sup> by	By: Adair Maynard / AdvanSix Second: Bob McIntosh / GF Piping Systems		
	Discussion	None		
Result of Vote (check one)	9 Y- 0 N; Motion passed.			
	<input checked="" type="checkbox"/>	2/3 ≤ [Negative is related and not persuasive.] < 90%	GO TO "Final" subsection → (C)	
	<input type="checkbox"/>	90% ≤ [Negative is related and not persuasive.]	GO TO "Not Significant Finding Option" subsection	
Final	(check if applicable)	<input type="checkbox"/>	(A) Withdrawn (counted under h in disposition)	
		<input type="checkbox"/>	(B) Not related (counted under i in disposition)	
		<input checked="" type="checkbox"/>	(C) Related and not persuasive (significant)	
		<input type="checkbox"/>	(D) Not significant (counted under j in disposition)	
		<input type="checkbox"/>	(E) Related and persuasive and not addressed by technical change	DOCUMENT FAILS
		<input type="checkbox"/>	(F) Addressed by technical change (counted under k disposition)	

## Negative 2

Negative	Referenced Section/ Paragraph	*TF/TC Chapter to fill in, including text in the ballot if necessary.		
		1.1		
Negative	Negative Text	*Original complete Negative text (e.g., issue, justification, suggestion) should be copied.		
		<i>Negative:</i> Either don't insert "first" or identify at least a "second". <i>Reason/Justification:</i> There's no apparent reason to enumerate the sole member of a list.		
Withdrawal (check one)	<input checked="" type="checkbox"/>	No Negative withdrawal made by Voter.		
	<input type="checkbox"/>	Withdrawal document received by Standards staff on MM/DD/YYYY.	GO TO "Final" subsection → (A)	
Related	<input checked="" type="checkbox"/>	'Related' is mutually agreed upon. (Needs no motion.)	GO TO "Persuasive" subsection	
Persuasive	Motion and Reason (check one)	<input type="checkbox"/>	Negative is related and persuasive. (Needs >1/3 votes to pass.)	
		<input checked="" type="checkbox"/>	Negative is related and not persuasive. (Needs ≥2/3 votes to pass.)	
		Reason	The "first" is followed by a paragraph with "also" which can also be used for enumerating an additional item.	
	Motion by/ 2 <sup>nd</sup> by	By: Paul Kerr / Intel Corporation Second: Adair Maynard / AdvanSix		
	Discussion	None		
	Result of Vote (check one)	9 Y- 0 N; Motion passed.		
<input checked="" type="checkbox"/>		2/3 ≤ [Negative is related and not persuasive.] < 90%	GO TO "Final" subsection → (C)	
	<input type="checkbox"/>	90% ≤ [Negative is related and not persuasive.]	GO TO "Not Significant Finding Option" subsection	
Final	(check if applicable)	<input type="checkbox"/>	(A) Withdrawn (counted under h in disposition)	
		<input type="checkbox"/>	(B) Not related (counted under i in disposition)	
		<input checked="" type="checkbox"/>	(C) Related and not persuasive (significant)	
		<input type="checkbox"/>	(D) Not significant (counted under j in disposition)	
		<input type="checkbox"/>	(E) Related and persuasive and not addressed by technical change	DOCUMENT FAILS
		<input type="checkbox"/>	(F) Addressed by technical change (counted under k disposition)	

## Negative 3

Negative	Referenced Section/ Paragraph	*TF/TC Chapter to fill in, including text in the ballot if necessary.	
		1.1	
Negative	Negative Text	*Original complete Negative text (e.g., issue, justification, suggestion) should be copied.	
		<i>Negative:</i> Separate the paragraph into one that addresses establishing Grades and a Tier and one that addresses testing. <i>Reason/Justification:</i> These are both apparent purposes, but they are not the same purpose.	

	Withdrawal (check one)	<input checked="" type="checkbox"/>	No Negative withdrawal made by Voter.	GO TO "Related" subsection	
		<input type="checkbox"/>	Withdrawal document received by Standards staff on MM/DD/YYYY.	GO TO "Final" subsection → (A)	
Related	Motion and Reason (check one)	<input checked="" type="checkbox"/>	'Related' is mutually agreed upon. (Needs no motion.)	GO TO "Persuasive" subsection	
Persuasive	Motion and Reason (check one)	<input type="checkbox"/>	Negative is related and persuasive. (Needs >1/3 votes to pass.)		
		<input checked="" type="checkbox"/>	Negative is related and not persuasive. (Needs ≥2/3 votes to pass.)		
		<input type="checkbox"/>	Reason	There is no requirement that different purposes be placed in separate paragraphs	
	Motion by/ 2 <sup>nd</sup> by	By: Adair Maynard / AdvanSix Second: Gary Van Schooneveld / CT Associates, Inc			
	Discussion	None			
	Result of Vote (check one)	<input checked="" type="checkbox"/>	2/3 ≤ [Negative is related and not persuasive.] < 90%	GO TO "Final" subsection → (C)	
<input type="checkbox"/>		90% ≤ [Negative is related and not persuasive.]	GO TO "Not Significant Finding Option" subsection		
Final	(check if applicable)	<input type="checkbox"/>	(A)	Withdrawn (counted under h in disposition)	
		<input type="checkbox"/>	(B)	Not related (counted under i in disposition)	
		<input checked="" type="checkbox"/>	(C)	Related and not persuasive (significant)	
		<input type="checkbox"/>	(D)	Not significant (counted under j in disposition)	
		<input type="checkbox"/>	(E)	Related and persuasive and not addressed by technical change	DOCUMENT FAILS
		<input type="checkbox"/>	(F)	Addressed by technical change (counted under k disposition)	

#### Negative 4

Negative	Referenced Section/ Paragraph	*TF/TC Chapter to fill in, including text in the ballot if necessary.		
		1.2		
	Negative Text	*Original complete Negative text (e.g., issue, justification, suggestion) should be copied. Negative: Change "standard requirements" to "assay and impurity limits". Reason/Justification: This is the "Guide" portion of the document. Tiers are recommendations, so they don't have "requirements".		
Related	Withdrawal (check one)	<input checked="" type="checkbox"/>	No Negative withdrawal made by Voter.	GO TO "Related" subsection
	Motion and Reason (check one)	<input checked="" type="checkbox"/>	'Related' is mutually agreed upon. (Needs no motion.)	GO TO "Persuasive" subsection
Persuasive	Motion and Reason (check one)	<input checked="" type="checkbox"/>	Negative is related and persuasive. (Needs >1/3 votes to pass.)	
	Motion by/ 2 <sup>nd</sup> by	By: Paul Kerr / Intel Corporation Second: Adair Maynard / AdvanSix		
	Discussion	None		

		9 Y- 0 N; Motion passed.				
Result of Vote (check one)	<input checked="" type="checkbox"/>	[Negative is related and persuasive.] > 1/3	Is a technical change recommended? (check one)	<input checked="" type="checkbox"/>	Y	GO TO "Address by Technical Change Option" subsection
	<input type="checkbox"/>	[Negative is related and not persuasive.] < 2/3		<input type="checkbox"/>	N	GO TO "Final" subsection → (E)
<b>Technical Change Recommendations</b> Original section/paragraph number and at least one full sentence are required in "FROM" and "TO" fields.						
Technical Changes	1	FROM: Section/Paragraph 8.2.1.2				
		1.2 This Specification and Guide also provides standard requirements for higher purity Tiers of sulfuric acid for which a need has been identified.				
		TO: Section/Paragraph 8.2.1.2				
		1.2 This Specification and Guide also provides <del>standard requirements</del> <u>assay and impurity limits</u> for higher purity Tiers of sulfuric acid for which a need has been identified.				
		<b>Justification (if necessary)</b> Requirements are not allowed in a guide.				
Motion		Negative is addressed by the technical change(s).				
Motion by/2 <sup>nd</sup> by		By: Adair Maynard / AdvanSix Second: Gary Van Schooneveld / CT Associates, Inc				
Discussion		None				
Result of Vote (check one)		7 Y- 0 N; Motion passed.				
	<input checked="" type="checkbox"/>	2/3 ≤ [Negative is addressed by the technical change(s).]	GO TO "Incorporation of the Technical Change" subsection			
	<input type="checkbox"/>	[Negative is not addressed by the technical change(s).] < 2/3	GO TO "Final" subsection → (E)			
Incorporation of the Technical Change	Motion		To incorporate the technical change(s).			
	Motion by/2 <sup>nd</sup> by		By: Bob McIntosh / GF Piping Systems Second: Paul Kerr / Intel Corporation			
	Discussion		None			
	Result of Vote (check one)		8 Y- 0 N; Motion passed.			
	<input checked="" type="checkbox"/>	90% ≤ [Agree to incorporate.]	GO TO "Final" subsection → (F)			
	<input type="checkbox"/>	[Disagree to incorporate.] > 10%	GO TO "Final" subsection → (E)			
Final	<input type="checkbox"/>	(A)	Withdrawn (counted under h in disposition)			
	<input type="checkbox"/>	(B)	Not related (counted under i in disposition)			
	<input type="checkbox"/>	(C)	Related and not persuasive (significant)			
	<input type="checkbox"/>	(D)	Not significant (counted under j in disposition)			
	<input type="checkbox"/>	(E)	Related and persuasive and not addressed by technical change	DOCUMENT FAILS		
	<input checked="" type="checkbox"/>	(F)	Addressed by technical change (counted under k disposition)			

**Negative 5**

<b>Negative</b>	Referenced Section/ Paragraph	<b>*TF/TC Chapter to fill in, including text in the ballot if necessary.</b>					
		7.1					
<b>Negative</b>	Negative Text	<b>*Original complete Negative text (e.g., issue, justification, suggestion) should be copied.</b>					
		Do not delete "suggested values for". Reason/Justification: . Tiers are recommendations not specifications, so they don't have "requirements".					
<b>Related</b>	Withdrawal (check one)	<input checked="" type="checkbox"/>	No Negative withdrawal made by Voter.		GO TO "Related" subsection		
	Motion and Reason (check one)	<input checked="" type="checkbox"/>	'Related' is mutually agreed upon. (Needs no motion.)		GO TO "Persuasive" subsection		
<b>Persuasive</b>	Motion and Reason (check one)	<input checked="" type="checkbox"/>	Negative is related and persuasive. (Needs >1/3 votes to pass.)				
	Motion by/ 2 <sup>nd</sup> by	By: Adair Maynard / AdvanSix Second: Jim Cannon / Mettler Toledo Thornton					
	Discussion	None					
	Result of Vote (check one)	<input checked="" type="checkbox"/>	[Negative is related and persuasive.] > 1/3	Is a technical change recommended? (check one)	<input checked="" type="checkbox"/>	Y	GO TO "Address by Technical Change Option" subsection
		<input type="checkbox"/>	[Negative is related and not persuasive.] < 2/3		<input type="checkbox"/>	N	GO TO "Final" subsection → (E)
<b>Address by Technical Change Option</b>	<b>Technical Change Recommendations</b> Original section/paragraph number and at least one full sentence are required in "FROM" and "TO" fields.						
	<b>Technical Changes</b> 1	<b>FROM: Section/Paragraph 8.2.1.2</b>					
		7 Requirements <u>and Suggested Values</u> 7.1 The requirements for sulfuric acid for Grades 1 and 2 and <del>suggested values for</del> Tiers B, <del>and</del> C, <u>and D</u> are listed in Table 2.					
		<b>TO: Section/Paragraph 8.2.1.2</b>					
	7 Requirements <u>and Suggested Values</u> 7.1 The requirements for sulfuric acid for Grades 1 and 2 and <del>suggested values for</del> <u>suggested values for</u> Tiers B, <del>and</del> C, <u>and D</u> are listed in Table 2.						
	<b>Justification (If necessary)</b> Guide cannot have required values so suggested is added back in						
Motion		Negative is addressed by the technical change(s).					
Motion by/2 <sup>nd</sup> by		By: Adair Maynard / AdvanSix Second: Gary Van Schooneveld / CT Associates, Inc					
Discussion		None					
Result of Vote		9 Y- 0 N; Motion passed.					

	(check one)	<input checked="" type="checkbox"/>	2/3 ≤ [Negative is addressed by the technical change(s).]	GO TO “Incorporation of the Technical Change” subsection	
		<input type="checkbox"/>	[Negative is not addressed by the technical change(s).] < 2/3	GO TO “Final” subsection → (E)	
	Incorporation of the Technical Change	Motion	To incorporate the technical change(s).		
		Motion by/2 <sup>nd</sup> by	By: Bob McIntosh / GF Piping Systems Second: Chuck Dale / Veolia Water		
		Discussion	None		
Result of Vote (check one)	7 Y- 0 N; Motion passed.				
	<input checked="" type="checkbox"/>	90% ≤ [Agree to incorporate.]	GO TO “Final” subsection → (F)		
<input type="checkbox"/>	[Disagree to incorporate.] > 10%	GO TO “Final” subsection → (E)			
Final	(check if applicable)	<input type="checkbox"/>	(A)	Withdrawn (counted under h in disposition)	
		<input type="checkbox"/>	(B)	Not related (counted under i in disposition)	
		<input type="checkbox"/>	(C)	Related and not persuasive (significant)	
		<input type="checkbox"/>	(D)	Not significant (counted under j in disposition)	
		<input type="checkbox"/>	(E)	Related and persuasive and not addressed by technical change	DOCUMENT FAILS
		<input checked="" type="checkbox"/>	(F)	Addressed by technical change (counted under k disposition)	

### Negative 6

Negative	Referenced Section/ Paragraph	*TF/TC Chapter to fill in, including text in the ballot if necessary. Equation in ¶ 8.1		
	Negative Text	*Original complete Negative text (e.g., issue, justification, suggestion) should be copied. Negative: Number the equation. Reason/Justification: SEMI’s Style Guide requires that equations be numbered, in parentheses, at the right margin.		
Related	Withdrawal (check one)	<input checked="" type="checkbox"/>	No Negative withdrawal made by Voter.	GO TO “Related” subsection
	Motion and Reason (check one)	<input checked="" type="checkbox"/>	‘Related’ is mutually agreed upon. (Needs no motion.)	GO TO “Persuasive” subsection
Persuasive	Motion and Reason (check one)	<input type="checkbox"/>	Negative is related and persuasive. (Needs >1/3 votes to pass.)	
		<input checked="" type="checkbox"/>	Negative is related and not persuasive. (Needs ≥2/3 votes to pass.)	
		Reason	There is no requirement to number equations when there is only one in the document, per Style Manual #6-5 (2)	
	Motion by/ 2 <sup>nd</sup> by	By: Adair Maynard / AdvanSix Second: Bob McIntosh / GF Piping Systems		
	Discussion	None		
Result of Vote (check one)	10 Y- 0 N; Motion passed.			
	<input checked="" type="checkbox"/>	2/3 ≤ [Negative is related and not persuasive.] < 90%	GO TO “Final” subsection → (C)	

			90% ≤ [Negative is related and not persuasive.]	GO TO “Not Significant Finding Option” subsection	
Final	(check if applicable)		(A)	Withdrawn (counted under h in disposition)	
			(B)	Not related (counted under i in disposition)	
		X	(C)	Related and not persuasive (significant)	
			(D)	Not significant (counted under j in disposition)	
			(E)	Related and persuasive and not addressed by technical change	DOCUMENT FAILS
			(F)	Addressed by technical change (counted under k disposition)	

### Negative 7

Negative	Referenced Section/ Paragraph	8.3			
	Negative Text	Negative: Change “[SEMI C1]” to “(as described in SEMI C1). Reason/Justification: .Consistency with other such references.			
Related	Withdrawal (check one)	X	No Negative withdrawal made by Voter.	GO TO “Related” subsection	
	Motion and Reason (check one)	X	‘Related’ is mutually agreed upon. (Needs no motion.)	GO TO “Persuasive” subsection	
Persuasive	Motion and Reason (check one)		Negative is related and persuasive. (Needs >1/3 votes to pass.)		
		X	Negative is related and not persuasive. (Needs ≥2/3 votes to pass.)		
		Reason	Editorial change for consistency with other such references		
	Motion by/ 2 <sup>nd</sup> by	By: Jim Cannon / Mettler Toledo Thornton Second: Adair Maynard / AdvanSix			
	Discussion	None			
	Result of Vote (check one)	9 Y 0 N; Motion passed.			
X		2/3 ≤ [Negative is related and not persuasive.] < 90%	GO TO “Final” subsection → (C)		
		90% ≤ [Negative is related and not persuasive.]	GO TO “Not Significant Finding Option” subsection		
Final	(check if applicable)		(A)	Withdrawn (counted under h in disposition)	
			(B)	Not related (counted under i in disposition)	
		X	(C)	Related and not persuasive (significant)	
			(D)	Not significant (counted under j in disposition)	
			(E)	Related and persuasive and not addressed by technical change	DOCUMENT FAILS
			(F)	Addressed by technical change (counted under k disposition)	
	(check if applicable)	X	Comment generated. See Section V-(ii) Comment # NC-1.		

## Negative 8

Negative	Referenced Section/ Paragraph	9.1	
	Negative Text	<i>Negative: Correct the reference.</i> <i>Reason/Justification: .There is no “§0” in the document. It appears that this should be a referce to §8.</i>	
	Withdrawal (check one)	<input checked="" type="checkbox"/>	No Negative withdrawal made by Voter. <b>GO TO “Related” subsection</b>
Related	Motion and Reason (check one)	<input checked="" type="checkbox"/>	‘Related’ is mutually agreed upon. <b>(Needs no motion.)</b> <b>GO TO “Persuasive” subsection</b>
Persuasive	Motion and Reason (check one)	<input type="checkbox"/>	Negative is related and persuasive. <b>(Needs &gt;1/3 votes to pass.)</b>
		<input checked="" type="checkbox"/>	Negative is related and not persuasive. <b>(Needs ≥2/3 votes to pass.)</b>
		Reason	This section reference was accidentally changed from §8 to §0 in the ballot text. Return to §8.
	Motion by/ 2 <sup>nd</sup> by	By: Adair Maynard / AdvanSix Second: David Kandiyeli / Mega Fluid Systems, Inc.	
	Discussion	None	
	Result of Vote (check one)	<input checked="" type="checkbox"/>	$2/3 \leq$ [Negative is related and not persuasive.] < 90%
<input type="checkbox"/>		$90\% \leq$ [Negative is related and not persuasive.]	<b>GO TO “Not Significant Finding Option” subsection</b>
Final	(check if applicable)	<input type="checkbox"/>	<b>(A)</b> Withdrawn <b>(counted under h in disposition)</b>
		<input type="checkbox"/>	<b>(B)</b> Not related <b>(counted under i in disposition)</b>
		<input checked="" type="checkbox"/>	<b>(C)</b> Related and not persuasive (significant)
		<input type="checkbox"/>	<b>(D)</b> Not significant <b>(counted under j in disposition)</b>
		<input type="checkbox"/>	<b>(E)</b> Related and persuasive and not addressed by technical change <b>DOCUMENT FAILS</b>
		<input type="checkbox"/>	<b>(F)</b> Addressed by technical change <b>(counted under k disposition)</b>
	(check if applicable)	<input checked="" type="checkbox"/>	Comment generated. <b>See Section V-(ii) Comment # NC-2.</b>

## Disposition of Voting Interest Reject 1

Check only when the Document has not been failed.

6	Original number (#) of Negatives	<b>(g)</b>
0	Number of Negatives withdrawn	<b>(h)</b>
0	Number of Negatives found not related	<b>(i)</b>
0	Number of Negatives found not significant	<b>(j)</b>
2	Number of Negatives addressed by technical change <b>(Negative becomes not significant)</b>	<b>(k)</b>

Final		$g - (h + i + j + k) = 0$	Reject is Not Valid and is not included in the denominator of § VI. Approval Conditions Check
	X	$g - (h + i + j + k) > 0$	Reject is included in the denominator of § VI. Approval Conditions Check
		Reject without a Negative	Not Valid

This table is needed for each Voting Interest Reject.

Note: If all of the Negatives included with a Reject Vote are withdrawn, determined to be not related, or determined to be not significant, the Reject Vote is not valid. (Regulations ¶ 9.4.3.3)

Note: A Negative addressed by a technical change is automatically considered to be not significant. (Regulations ¶ 9.6.1.4.5.2)

## IV. Other Technical Issues

None

## V. Comments

### V- (i) Voters' Comments

None

### V-(ii) Comments Created by Handling Negative

#### Comment (Created by Handling Negative) NC – 1

Comment	*TF/TC Chapter to fill in	
	8.3 Change “[SEMI C1]” to “(as described in SEMI C1). Reason/Justification: .Consistency with other such references	
Action	The TC Chapter agreed to do one of the following actions.	
	*No motion is required in this step.	
		Already addressed by Commenter #, Comment #
		No further action was taken by the TC Chapter.
		Refer to the TF for more consideration.
		New business
	X	Editorial change
Options for editorial change (check one)		Case 1: No vote in this section: To be included and voted on as a group in § VI. Editorial Changes Other than Those Voted on in § V.
	X	Case 2: Voted in this section: Original section number and at least one full sentence are required in “FROM” and “TO” fields.
Editorial	1	FROM: Section/Paragraph 8.3  8.3 Chloride — Place 40 mL of water in each of two beakers. To one, add carefully 27 mL (50 g) of sample and to the other, 27 mL (50 g) of chloride-free sulfuric acid and 0.005 mg of chloride ion (Cl). Cool to room temperature and add 1 mL of nitric acid and 1 mL of silver nitrate reagent solution [SEMI C1].

<b>TO: Section/Paragraph 8.3</b>	
8.3 <i>Chloride</i> — Place 40 mL of water in each of two beakers. To one, add carefully 27 mL (50 g) of sample and to the other, 27 mL (50 g) of chloride-free sulfuric acid and 0.005 mg of chloride ion (Cl). Cool to room temperature and add 1 mL of nitric acid and 1 mL of silver nitrate reagent solution <del>†(as described in SEMI C1)‡</del> . Mix well; if necessary, make the volume of each solution identical by adding water. After 10 minutes, measure the turbidity of each solution using a suitable nephelometer. The turbidity in the sample shall be no greater than the standard.	
<b>Justification (If necessary)</b> Editorial change for consistency with other such references	
<b>Motion</b>	To approve above editorial change(s)
<b>Motion by/2<sup>nd</sup> by</b>	By: Adair Maynard / AdvanSix Second: Bob McIntosh / GF Piping Systems
<b>Discussion</b>	None
<b>Vote</b>	8 Y- 0 N; Motion passed.

*This table is needed for each Comment created by handling Negative.*

### Comment (Created by Handling Negative) NC – 2

<b>Comment</b>	<b>*TF/TC Chapter to fill in</b>	
	9.1 Correct the reference. Reason/Justification: .There is no “§0” in the document. It appears that this should be a referce to §8.	
<b>Action</b>	<b>The TC Chapter agreed to do one of the following actions.</b>	
	<b>*No motion is required in this step.</b>	
	<input type="checkbox"/>	Already addressed by Commenter #, Comment #
	<input type="checkbox"/>	No further action was taken by the TC Chapter.
	<input type="checkbox"/>	Refer to the TF for more consideration.
	<input type="checkbox"/>	New business
<input checked="" type="checkbox"/>	Editorial change	
	Options for editorial change (check one)	<b>Case 1: No vote in this section:</b> <b>To be included and voted on as a group in § VI. Editorial Changes Other than Those Voted on in § V.</b>
		<b>Case 2: Voted in this section:</b> <b>Original section number and at least one full sentence are required in “FROM” and “TO” fields.</b>
	<input checked="" type="checkbox"/>	
<b>Editorial</b>	1	<b>FROM: Section/Paragraph 9.1</b>  9.1 <i>Non-Metal Impurities</i> — Refer to § 0, which contains procedures for the following tests:

<b>TO: Section/Paragraph 9.1</b>	
9.1 <i>Non-Metal Impurities</i> — Refer to § 08, which contains procedures for the following tests:	
<b>Justification (If necessary)</b> This section reference was accidentally changed from §8 to §0 in the ballot text. Return to §8.	
<b>Motion</b>	To approve above editorial change(s)
<b>Motion by/2<sup>nd</sup> by</b>	By: Gary Van Schooneveld / CT Associates, Inc Second: Paul Kerr / Intel Corporation
<b>Discussion</b>	None
<b>Vote</b>	9 Y- 0 N; Motion passed.

## VI. Editorial Changes Other than Those Voted on in § V

None

## VII. Approval Conditions Check

### VII. - (i). Approval Rate

**APPROVAL CONDITION 1:** All Negatives have been discussed and were withdrawn, found not related, found not persuasive, or addressed by a technical change. (*Regulations ¶ 9.6.2.1.2*)

**APPROVAL CONDITION 2:** At least 90% of the sum of valid Voting Interest Accept and Voting Interest Reject Votes must be Accept. (*Regulations ¶ 9.6.2.1.3*)

**Note:** If both approval conditions are not satisfied, the Document fails.

		Accepts		(Accepts + Valid Rejects)					
Approval Rate	=	36	/	37	=	97.3%		≥90%	

### VII. – (ii) Approval Level (check one)

**Note:** See *Regulations § 9.6.2* for further information.

#### Globally Approved (No Ratification Ballot needed):

The Letter Ballot meets the Letter Ballot approval conditions for the global technical committee.

#### Need a Ratification Ballot:

The Letter Ballot meets the Letter Ballot approval conditions for the TC Chapter and a Ratification Ballot will be issued to validate technical changes.

## VIII. Safety Check

Note: See *Regulations* § 15 for further information.

Motion	<input checked="" type="checkbox"/>	This is not a <b>Safety Document</b> , when all safety-related information is removed, the Document is still technically sound and complete. ( <i>Regulations</i> ¶ 8.7.1)
Motion by/2 <sup>nd</sup> by	By: Adair Maynard / AdvanSix Second: Jim Cannon / Mettler Toledo Thornton	
Discussion	None	
Vote	10 Y- 0 N; Motion passed	

## IX. Intellectual Property (IP) Check

Note: This Letter Ballot may cover all or part of a Standard or Safety Guideline. Regardless of the coverage, this IP check applies to the entire Standard or Safety Guideline\*. See *Regulations* § 16 for further information.

<input checked="" type="checkbox"/>	The TC Chapter meeting chair asked those participating, if they were aware of any patented technology that might be relevant (see <i>Regulations</i> ¶ 16.3.1.1) to the Standard or Safety Guideline; or, any copyrighted items or trademarks that are used/reproduced (see <i>Regulations</i> ¶ 16.4.1.2) in the Standard or Safety Guideline. (Also see, <i>Regulations</i> § 8.8)	
<input checked="" type="checkbox"/>	The question is NOT answered in affirmative (No potentially material patented technology or use/reproduction of copyrighted items/trademarks is known.)	GO TO SECTION X.

## X. Action for This Document

Motion	<input checked="" type="checkbox"/>	This Document passed TC Chapter review with technical changes and with or without editorial changes and will be forwarded to the ISC A&R SC for procedural review. A Ratification Ballot will be issued to verify the technical changes.
Motion by/2 <sup>nd</sup> by	By: Adair Maynard / AdvanSix Second: Gary Van Schooneveld / CT Associates, Inc	
Discussion	None	
Vote	10 Y- 0 N	
Final Action	<input checked="" type="checkbox"/>	Motion passed
	<input type="checkbox"/>	Motion failed

Note: If the use of PMPT or copyrighted item is justified by the TC Chapter, LOA or release form must be received before publication can proceed.