

Record of Letter Ballot Review by TC Chapter for Procedural Review

Region/Locale: [North America](#)

Global Technical Committee: [Liquid Chemicals](#)

TC Chapter Cochairs: [Don Hadder \(INTEL\)](#), [Frank Flowers \(Peroxy Chemicals\)](#)

Standards Staff: [Inna Skvortsova](#)

| | Scheduled in Background Statement | Actual |
|--|-----------------------------------|-----------------------------------|
| Date | 07/11/2017 | 07/11/2017 |
| Location | San Francisco, CA | San Francisco, CA |
| Reason for Change of Date and/or Location (if changed) | | |

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

I. Document Number and Title

| | |
|---|---|
| Document Number 5831B | Document Title Revision to SEMI C27-0708, SPECIFICATIONS AND GUIDELINES FOR HYDROCHLORIC ACID with title change to: SPECIFICATION AND GUIDE FOR HYDROCHLORIC 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* ¶ 9.7.1.1)

Voting Tally (with example values):

| Voting Interest: | Returned Votes | Distribution | Return Rate | |
|---------------------------|--------------------|---------------------------|-------------------------|-------------------|
| Letter Ballot | 50 | ÷ 83 | = 60.2% | ≥60% |
| Intercommittee Ballot | 22 | | | |
| Voting Interest Reject(s) | 0 | Total Voters with Rejects | | 0 |
| Voting Interest Accept(s) | 32 | | | |

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

III. Rejects

No rejects received.

IV. Other Technical Issues

No other technical issues.

V. Comments

V- (i) Voters' Comments

Commenter 1 (Milstein, Lisa / Air Liquide) - Comment 1

| | | |
|---------|--|---|
| Comment | *TF/TC Chapter to fill in section/paragraph #, if necessary. | |
| | Why GFAA instead of ICPMS? Is Vanadium prepared separately because of ClO molecular interference on 51V? Maybe state that somewhere. | |
| Action | The TC Chapter agreed to do one of the following actions. | |
| | *No motion is required in this step. | |
| | <input type="checkbox"/> | Already addressed by Commenter #, Comment # |
| | <input checked="" 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 type="checkbox"/> | 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. |
| | | Case 2: Voted in this section: Original section number and at least one full sentence are required in "FROM" and "TO" fields. |
| | <input type="checkbox"/> | |
| | <input type="checkbox"/> | |

Commenter 2 (Terracina, Vincent) - Comment 1

| | | |
|---------|---|--|
| Comment | *TF/TC Chapter to fill in section/paragraph #, if necessary. | |
| | The sentence 'run a reagent blank.' appears in sections 8.9.2.1, 9.2.3.1, & 9.2.3.2. Each of these sections is for ample preparation. Maybe more appropriate language would be 'Prepare a reagent blank', and add 'Run a reagent blank' to the analysis sections. | |
| Action | The TC Chapter agreed to do one of the following actions. | |
| | *No motion is required in this step. | |
| | <input type="checkbox"/> | Already addressed by Commenter #, Comment # |
| | <input checked="" 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 type="checkbox"/> | 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. <i>Editorial Changes Other than Those Voted on in § V.</i> |
| | | Case 2: Voted in this section: |
| | | Original section number and at least one full sentence are required in “FROM” and “TO” fields. |

**V-(ii) Comments Created by Handling Negative
NONE**

VI. Editorial Changes Other than Those Voted on in § V
Original section/paragraph number and at least one full sentence are required in “FROM” and “TO” fields.
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 ¶ 9.7.1.2*)

APPROVAL CONDITION 2: At least 90% of the sum of valid Voting Interest Accept and Voting Interest Reject Votes must be Accept. (*Regulations ¶ 9.7.1.3*)

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

| | | | | | | | | | |
|---------------|---|---------|---|------------------------------|---|--------|--|---|-----|
| | | | | | | | | | |
| | | Accepts | | (Accepts + Valid Rejects) | | | | | |
| Approval Rate | = | 32 | / | 32 | = | 100.0% | | ≥ | 90% |

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

Note: See *Regulations § 9.7.2* 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 | X | This is not a Safety Document , when all safety-related information is removed, the Document is still technically sound and complete. (<i>Regulations ¶ 8.7.1</i>) |
| | | This is a Safety Document , when all safety-related information is removed, the Document is not technically sound and complete. (<i>Regulations ¶ 8.7.2</i>) |
| | | Safety Checklist (<i>Regulations ¶ 15.3</i>) is complete and has been included with the Document throughout the balloting process. (<i>Regulations ¶ 15.1.2</i>) |
| Motion by/2 nd by | | Doh Hadder (Intel) / Koh Murai (Mega Fluids Systems) |
| Discussion | | None |
| Vote | | 14 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. This IP check applies to the entire Standard or Safety Guideline. See *Regulations § 16* for further information.

| | | |
|---|---|--|
| X | The TC Chapter meeting chair asked those participating, if they were aware of any potentially material patented technology or copyrighted items* in the Standard or Guideline. (<i>Regulations ¶ 8.8.1</i>) | |
| | X | No potentially material patented technology or reproduction of copyrighted items is known. |
| | | GO TO SECTION X. |

* Note: Such potentially material patented technology or copyrighted items might have become known since the Standard or Safety Guideline was last reviewed, or might become relevant due to this Letter Ballot.

X. Action for This Document

| | | |
|------------------------------|---|--|
| Motion | X | This Document passed TC Chapter review as balloted and will be forwarded to the ISC A&R SC for procedural review. |
| | | This Document passed TC Chapter review with editorial changes and will be forwarded to the ISC A&R SC for procedural review. |
| | | 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. |
| | | This Document failed TC Chapter review and will be returned to the TF for rework. |
| | | This Document failed TC Chapter review and work will be discontinued. |
| Motion by/2 nd by | | Bob McIntosh (GF Piping) / Koh Murai (Mega Fluids Systems) |
| Discussion | | None |

| | | |
|---------------------|-------------------------------------|---------------|
| Vote | 14 Y- 0 N | |
| Final Action | <input checked="" type="checkbox"/> | Motion passed |
| | <input type="checkbox"/> | Motion failed |

Standards staff to record the result of the A&R procedural review here:

| | | |
|----------------|--------------------------|--|
| A&R | <input type="checkbox"/> | Approved for publication |
| | <input type="checkbox"/> | Approved pending acceptance of the Ratification Ballot |
| | <input type="checkbox"/> | Not approved |
| | Reason: | |