

# Procedural Review Voting Sheet 2014 Cycle 5

**REGION:** China  
**COMMITTEE:** Photovoltaic  
**EVENT:** SEMI China PV Standard TC 2014 Q3 Meeting  
**DATE OF MEETING:** September 12th, 2014  
**PLACE OF MEETING:** Shangri-La Hotel Dalian  
**COMMITTEE CO-CHAIRS:** Jun Liu/CESI, Guangchun Zhang/ CSI  
**SEMI STAFF:** Kris Shen

**A&R Voter:** Name/Company  
 Date: 200X/MM/DD

## I. Document Number & Title

<b>Document</b> 5476B	<b>Document Title</b> New Standard: Test Method for Determination of Total Carbon Content in Silicon Powder by Infrared Absorption After Combustion in an Induction Furnace
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## II. Tally (Staff to fill in)

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

A minimum of 60% of the voting interests that have voting members within the technical committee must return votes. (Regulations ¶ 9.6.1)

	Return		Distribution	=	Return Rate	
Yellow	90	÷	149	=	60.4%	>=60%
Lilac & Others	76					
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Total Vote	166					
Reject	1					
Accept	34					

A&R	Not approved
	Reason:

### III. Rejects

#### Reject 1 (Huang, Der-Ray / Dong Hwa University )

##### Negative 1 of Reject 1

<b>Negative</b>	<b>Referenced Section</b>	<b>*TF/Committee to fill in if necessary</b>	
	<b>Reason</b>	<i>The test method has no direct relationship related to PV cells and modules</i>	
<b>Withdrawal</b>	<input checked="" type="checkbox"/>	No withdrawal made	<b>GO TO "Related" section</b>
	<input type="checkbox"/>	Withdrawal document received by staff on XXXX	<b>GO TO "Final" → (A)</b>
<b>Related</b>	<b>Motion and Reason</b>	"Related" is mutually agreed upon.	
		<b>*This motion can be appended to the motion for Persuasive (See Persuasive Section)</b>	
		Negative is related <b>(needs over 1/3 votes to pass)</b>	
		Negative is not related <b>(needs 2/3 or more votes to pass)</b>	
		Reason	
	<b>Motion by/2nd by</b>		
	<b>Discussion</b>		
<b>Result of Vote (check ONE)</b>	<input type="checkbox"/>	[Negative is related] > 1/3	<b>GO TO "Persuasive"</b>
	<input type="checkbox"/>	[Negative is not related] < 2/3	
	<input type="checkbox"/>	2/3=< [Negative is not related]	<b>GO TO "Final" → (B)</b>
	<input type="checkbox"/>		
<b>suiv</b>	<b>Motion and Reason</b>	<input type="checkbox"/> Negative is related and persuasive <b>(needs over 1/3 votes to pass)</b>	
		<input checked="" type="checkbox"/> Negative is related and not persuasive <b>(needs 2/3 or more votes to pass)</b>	

			Reason	The test sample silicon powder is the raw material for producing solar-grade polycrystalline silicon. The latter is the main material for manufacturing <i>crystalline silicon PV cells and modules</i> . Carbon content in silicon powder cannot be reduced in subsequent processing, so it's necessary to test and control the carbon content in PV silicon raw materials. Carbon content of PV silicon raw materials may has an effect on the lifetime and cell efficiency of <i>crystalline silicon PV cells and modules</i> . The precipitation as SiC may induce wire breakage during wafering or cause shunts in the solar cell. We think <i>the test method has direct relationship related to crystalline silicon PV cells and modules</i> .
	Motion by/2nd by	Li He(CPVT)/Zhixin Li (Linton)		
	Discussion			
		23-0		
			[Negative is related and persuasive] > 1/3	GO TO "Final" → (E)
			[Negative is related and not persuasive] < 2/3	
			2/3=<[Negative is related and not persuasive] <90%	GO TO "Final" → (C)
		x	90% =< [Negative is related and not persuasive]	GO TO "Not Significant Finding Option"
Not Significant Finding Option	This option can only be used "if the committee finds a negative not persuasive by a vote equal to or greater than 90% of the persons voting on the action". (Regulations ¶ 9.5.3.3.2)			
		x	It is mutually agreed upon to term the negative "not significant"	GO TO → (D)
			It is mutually agreed upon to term the negative "significant"	GO TO → (C)
	Motion		The negative is "not significant".	
	Motion by/2nd by	Name (Company)/Name (Company)		
	Vote		XX-XX Motion passed with simple majority	GO TO → (D)
		XX-XX Motion failed with simple majority	GO TO → (C)	
Final	Negative is:			
		(A)	withdrawn (counted under h in disposition)	
		(B)	not related (counted under i in disposition)	
		(C)	related and not persuasive (significant)	
		x (D)	not significant (counted under j in disposition)	
		(E)	related and persuasive	DOCUMENT FAILS
		Comment generated. See comment #x		
A&R		Not approved		

	<b>Reason:</b>
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## IV. Comments

### Comment 1

<b>Comment</b>	<b>Referenced Section</b>	<b>*TF/Committee to fill in if necessary</b>
	<b>From</b>	Vargas-Bernal, Rafael (ITSdI)
	<b>Comment</b>	<b>Accept Comments:</b> Several errors in the typing of the document were found. It is necessary delete spaces, add spaces between words, place end points
	<b>Discussion</b>	The document was reviewed carefully and revised to meet the SEMI editor's requirement.
<b>Action proposed</b>	<b>X</b>	<b>The committee agreed to do one of the following actions.</b>
		<b>*No motion is required in this step.</b>
	<b>X</b>	No further action was taken by the committee.
	<input type="checkbox"/>	Refer to the task force for more consideration.
	<input type="checkbox"/>	New Business
<input type="checkbox"/>	Other	
<b>Editorial Change</b>		
<b>Action proposed</b>	<input type="checkbox"/>	<b>Case 1: No vote in this section :</b>
		<b>To be included and voted on in <u>§ 5. Summary of Editorial Changes.</u></b>
	<input type="checkbox"/>	<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>
	<b>1</b>	<b>FROM: Section xxx</b>
		<b>To: Section xxx</b>
		<b>Justification (If necessary)</b>
	<b>2</b>	<b>FROM: Section xxx</b>
	<b>To: Section xxx</b>	
	<b>Justification (If necessary)</b>	
<b>Motion by/2nd</b>		
<b>Vote</b>	Motion	

A&R	Not approved
	Reason:

**Comment 2**

Comment	Referenced Section	*TF/Committee to fill in if necessary	
	From	Gan, Yang ( Harbin Institute of Technology)	
	Comment	Accept Comments: There are quite a few grammatical errors and typos, some are highlighted in the attached PDF.	
	Discussion	The document was reviewed carefully and grammatical or typing errors in the document were corrected. See below.	
Action proposed	x	The committee agreed to do one of the following actions.	
		*No motion is required in this step.	
		No further action was taken by the committee.	
		Refer to the task force for more consideration.	
		New Business	
		x Other	
	1		Case 1: No vote in this section :
			To be included and voted on in § 5. Summary of Editorial Changes.
		x	Case 2: Voted in this section :
			Original section number and at least one full sentence are required in “FROM” and “TO” fields.
FROM: Section 12.1.3 in Note 3 and Note 4 If these values are abnormally high, invest and eliminate the source of contamination.			
To: Section 12.1.3 in Note 3 and Note 4 If these values are abnormally high, investigate and eliminate the source of contamination.			
	Justification: Editorial. Correction of grammatical error in these notes.		

2	<p><b>FROM:</b> Header of Table 1, Table 2 and Table 3.  <i>Volume Of The Standard Solution. Mass Of Carbon In The Diluted Solution, Per Milliliter. Mass Of Carbon Taken In The Tin Capsule. Carbon Content In The Test Portion. Mass Of The Reference Material Anhydrous Sodium Carbonate. Mass Of Carbon Taken In The Tin Capsule Or Directly In The Crucible</i></p>
	<p><b>To:</b> Header of Table 1, Table 2 and Table 3  <i>Volume of the Standard Solution. Mass of Carbon in the Diluted Solution, Per Milliliter. Mass of Carbon Taken in the Tin Capsule. Carbon Content in the Test Portion. Mass of the Reference Material Anhydrous Sodium Carbonate. Mass of Carbon Taken in the Tin Capsule or Directly in the Crucible</i></p>
<p><b>Justification:</b>  <b>Formatting error, changing to lower case of these words highlighted for consistency.</b></p>	
3	<p><b>FROM:</b> Section 12.3.1  <i>Case Using Tin Capsule</i></p>
	<p><b>To:</b> Section 12.3.1  <i>Case Using Tin Capsules</i></p>
<p><b>Justification: Editorial</b></p>	
4	<p><b>FROM:</b> Section 12.5  Obtain the net reading by subtracting the reading of the zero member from that <i>of</i> each member of the calibration series.</p>
	<p><b>To:</b> Section 12.5  Obtain the net reading by subtracting the reading of the zero member from that <b>of</b> each member of the calibration series.</p>
<p><b>Justification:</b>  <b>Editorial, not italicizing the word “of”</b></p>	
<b>Motion by/2nd</b>	Li He(CPVT)/Zhixin Li (Linton)
<b>Vote</b>	29-0 Motion passed
<b>A&amp;R</b>	<b>Not approved</b>
	<b>Reason:</b>

## V. Summary of Editorial Changes

**Note:** Original section number and at least one full sentence are required in “FROM” and “TO” fields.

See editorial changes above.

## VI. Approval Conditions Check

**APPROVAL CONDITION 1:** All negatives have been discussed and were withdrawn, found not related, or not persuasive. (Regulations ¶ 9.6.2)

**APPROVAL CONDITION 2:** At least 90% of the sum of the valid accept and reject votes must be accept. (Regulations ¶ 9.6.3)

**Note:** if both approval conditions are not satisfied, the document fails.

		Accepts		(Accepts + Valid)			
Approval Rate	=	34	/	34	=	100.0%	>=90%

A&R		Not approved
		Reason:

## VII. Safety Check

See § 14 of the Regulations for further information

<b>Motion:</b>	<input checked="" type="checkbox"/>	This is not a Safety Document: when all safety-related information is removed, the document is still technically sound and complete.
	<input type="checkbox"/>	This is a Safety Document: when all safety-related information is removed, the document is not technically sound and complete.
	<input type="checkbox"/>	Safety Checklist (Regulations ¶ 14.3) is complete and has been included with the document throughout the balloting process.
<b>Motion by/2nd by</b>		Li He(CPVT)/Zhixin Li (Linton)
<b>Discussion</b>		None
<b>Vote</b>		31-0 Motion passed
A&R		Not approved
		Reason:

## VIII. Intellectual Property Check

**Note:** This ballot may be all or part of a Standard or Safety Guideline. This IP check applies to the entire Standard or Safety Guideline. See § 15 of the Regulations for further information

<input checked="" type="checkbox"/>	The meeting chair asked those present in person or by electronic link, if they were aware of any potentially material patented technology or copyrighted items* in the Standard or Guideline.	
<input checked="" type="checkbox"/>	No potentially material patented technology or copyrighted items are known	<b>GO TO SECTION IX</b>
<input type="checkbox"/>	Potentially material patented technology or copyrighted items are known but a Letter of Assurance (LOA) or copyright release for such material has been obtained or presented to the committee.	<b>GO TO SECTION IX</b>
<input type="checkbox"/>	Potentially material patented technology or copyrighted items are known but an LOA or copyright release for some of the material(s) has NOT been obtained or presented to the committee	

	<b>MOTION</b>	<input type="checkbox"/>	Ask ISC for special permission to publish	
		<input type="checkbox"/>	Quit activity	
		<input type="checkbox"/>	Wait for LOA for patented technology or release of copyrighted items.	
		<b>Motion by/2<sup>nd</sup> by</b>		
		<b>Discussion</b>		
		<b>Vote</b>	Motion	
		<b>Final Action</b>	<input type="checkbox"/>	Motion Passed
	<input type="checkbox"/>		Motion Failed	
<b>A&amp;R</b>	<input type="checkbox"/>	<b>Not approved</b>		
		<b>Reason:</b>		

\* 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 ballot.

## IX. Action for this document

<b>Motion</b>	<input type="checkbox"/>	This document passed committee review as balloted and will be forwarded to the A&R for procedural review.	
	<input checked="" type="checkbox"/>	This document passed committee review with editorial changes and will be forwarded to the A&R for procedural review.	
	<input type="checkbox"/>	This document failed committee review and will be returned to the task force for rework.	
	<input type="checkbox"/>	This document failed committee review and work will be discontinued.	
	<b>Motion by/2<sup>nd</sup> by</b>	Li He(CPVT)/Zhixin Li (Linton)	
	<b>Discussion</b>	None	
	<b>Vote</b>	30-0	
	<b>Final Action</b>	<input checked="" type="checkbox"/>	Motion passed
		<input type="checkbox"/>	Motion failed
<b>A&amp;R</b>	<input type="checkbox"/>	<b>Approved</b>	
	<input type="checkbox"/>	<b>Not approved</b>	
		<b>Reason:</b>	