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39th Meeting of PCD 09

	भारतीय मानक ब्यूरो BUREAU OF INDIAN STANDARDS	
	(PETROLEUM, COAL & RELATED PRODUCTS DEPTT.)	
MINUTES		
Organic Chemicals, Alcohols & Allied Products Sectional Committee, PCD 09		39th Meeting
DATE & TIME	15 October 2024, 10:30 am	
VENUE	Virtual Mode	
	Details — URL: https://bismanak.webex.com/bismanak/j.php?MTID=md57ef8b145e57803166f54863c42672d — Meeting ID: 2519 153 2147 — Password: Xma34yFDvU5	
CHAIRPERSON	Dr C.V. Rode, In Personal Capacity	
MEMBER SECRETARY	Ms Aditi Choudhary, Scientist 'C' (PCD), BIS E-mail: pcd9@bis.gov.in ; pcd@bis.gov.in	

(List of Participants is given at Annex A)

Item 0 OPENING OF THE MEETING

0.1 Welcome by Bureau of Indian Standards

Ms Aditi Choudhary, Member Secretary, PCD 09, welcomed Dr C.V. Rode, Chairperson (in Personal Capacity) and all the Committee Members to the 39th meeting of Organic Chemicals, Alcohols and Allied Products Sectional Committee, PCD 09. She informed the Committee that the 39th meeting is a continuation of the previous meeting, focusing on the pending items that could not be addressed in the last meeting due to time constraints and thus it would be brief meeting. She also requested experts for their active participation.

0.2 Opening Remarks by the Chairperson

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The meeting started with Dr C.V. Rode, Chairperson, PCD 09 addressing all the Committee members of Organic Chemicals, Alcohols and Allied Products Sectional Committee, PCD 09 to its 39th meeting. He requested the members for their active participation for discussing the comments as received and revision of existing Indian Standards for the benefit of consumers. He concluded his remarks by urging the members to do justice to the meeting by making it an interactive session and wished it a success.

Item 1 CONFIRMATION OF THE MINUTES OF THE 38th MEETING OF PCD 09

The Committee NOTED item 1 of the agenda and DECIDED to confirm the minutes of 38th meeting of PCD 9 along with the minutes of 39th meeting of PCD 9 in its next meeting as the minutes are under circulation.

Item 2 ITEMS PENDING FROM 38th MEETING

2.1 Comments on Published Standards

2.1.1 IS 10745 : 1983 — Specification For Acetophenone

The Committee NOTED item 2.1.1 of the agenda and after detailed deliberation, DECIDED as follows on the comments received:

SL no. of requirement in Table 1	Characteristics	Requirements		Method of Test (Rep to CI No. in Annex A)	Decision of the Committee
		Grade 1	Grade 2		
(1)	(2)	(3)	(4)	(5)	(6)
i)	Assay (as C ₆ H ₅ COCH ₃), percent by mass, <i>Min</i>	Existing : 98.0 Change Proposed: 99.0	Existing : 97.0 Change Proposed: 98.0	Existing: Titration Alternate method proposed: GC	AGREED to incorporate GC method as alternate method, given GC is the latest technologies used by the industries and offers more accuracy than titration method. Additionally, the Committee also AGREED

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					to modify the limits of purity, to avoid manufacture/import of substandard quality of material in the country.
v)	Relative density at 27 °C/27 °C	1.025 to 1.028	1.023 to 1.028	Existing: Pyknometer Alternate method proposed: Density meter method	AGREED to incorporate digital density meter method as alternate method, as digital density meter is the latest technologies used by the industries and offers more accuracy than titration method.
vi)	Halogen compounds	To pass the test	To pass the test	A-7	No action as it is same as existing.
vii)	Water Content (percent by mass), Max [New parameter proposed]	0.02	0.03	A-8	AGREED to incorporate the new parameter as water can be formed during the synthesis of acetophenone.
viii)	Color (Pt/Co), Max [New parameter proposed]	20	30	A-9	AGREED to incorporate the new parameter as the material is colourless and may develop the colour while synthesis if impurity persist.
ii); iii) and vi)	Acid value; Distillation range at 760 mmHg and Halogen compounds	Proposed to make these parameters optional			AGREED to make distillation range optional parameter as it an indirect method of determining purity which is now determined by GC Method. NOT AGREED to make Acid value and Halogen

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			compounds parameters as there are chances of contamination of acid during processing and while transportation and thus acid value is important. While acetophenone is manufactured from benzene with acetyl chloride which will lead to halogen formation as impurity.
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Additionally DECIDED to modify the freezing point by crystallization point as the test method given is for determining crystallization point and not freezing point.

Further, the Committee REQUESTED BIS Sectt. to prepare the draft revision by incorporating the above agreed changes and issue it into wide circulation for a period of 2 months.

2.1.2 IS 6971 : 1998 — 2-Ethylhexan-1-ol – Specification (First Revision)

The Committee NOTED item 2.1.2 of the agenda and after detailed deliberation, DECIDED as follows on the comments received:

Sl No.	Clause/Sub-clause/para/table/fig. No. commented	Commentator/Organization/Abbreviation	Type of Comments (General/Editorial/Technical)	Proposed change	Decision of the Committee
(1)	(2)	(3)	(4)	(5)	(6)
i.	4.2; Table 1; SI No. (viii)	Shri Inderjeet Singh; inderjeet786gzb@yahoo.co.in ; 9871309223	Editorial	Purity, % by mass, Min. As the requirement of purity is always expressed in Minimum.	AGREED as the limit of purity is always expressed in Minimum.

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ii.	Annex D	Shri Shanul Pagar; shanul@somaia.com ; 9730729393	Technical	— Acidity as acetic acid is to be replaced by acid value for plasticizer grade is 0.05 mg KOH/gm & Industrial grade is 0.1 mg KOH/gm. — Test method: the existing test method has been modified.	AGREED to modify the acidity (as acetic acid) by acid value as acid value will cover all acids present in the material as impurity.
iii.	Annex G	Shri Shanul Pagar; shanul@somaia.com ; 9730729393		— Reporting shall be purity by GC, percent by mass — Test method: the existing test method which is GC, has been modified	AGREED to modify the 'purity, percent by mass' by 'purity, percent by area'

Additionally, the Committee DECIDED to constitute a Working Group with a task to review the modified method and provide inputs within the timeline of 3 months.

Composition of the Working Group:

- Shri Shanul Laxmanrao Pagar, Godavari Biorefineries Limited (R&D) [*Convenor*]
- Dr Amarish, BASF
- User industry (details to be provided by BASF)
- BIS Sectt.

After receiving the inputs from working group, the Committee REQUESTED BIS Sectt. to prepare the draft revision based on the above agreed changes and inputs received from working group and circulate to Committee for 15 days. If no inputs are received during circulation, the draft may be issued into wide circulation for a period of 2 months.

2.1.3 IS 8058 : 2018 — Pyridine – Specification (First Revision)

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The Committee NOTED item 2.1.3 of the agenda and after detailed deliberation, DECIDED as follows on the comment received:

SI No.	Clause/Sub-clause/para/table/fig. No. commented	Commentator/Organization/Abbreviation	Type of Comments (General/Editorial/Technical)	Proposed change	Decision of the Committee
(1)	(2)	(3)	(4)	(5)	(6)
i.	6.1 Packing	Shri Vipul; regulife@merck group.com; 9513786924	Technical	6.1 The material in bulk pack size shall be packed in mild steel drums. The gaskets for the bungs shall be of high density polythene. Also the material in small pack size shall be placed in suitable packing material like amber colored glass bottle equipped with tight fitting caps or air tight screw or screw cap or as agreed between purchaser and supplier.	AGREED to modify the packing requirement as the material is being supplied in small packing as well. After deliberations, the Committee REQUESTED BIS Sectt. to prepare draft amendment incorporating the following change and issue it into wide circulation for a period of 1 month: '6.1 The material in bulk quantity shall be packed/transported in mild steel drums or ISO tankers. The gaskets for the bungs shall be of high density polythene. While, the material in small quantity shall be packed in suitable packing material like amber coloured glass bottle equipped with tight fitting caps or air tight screw or screw cap or as agreed between purchaser and supplier.'

2.1.4 IS 517 : 2020 — Specification For Methanol (Methyl Alcohol) (Third Revision)

The Committee NOTED item 2.1.4 of the agenda and after detailed deliberation, DECIDED as follows on the comments received:

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SI No. (1)	Clause/Sub-clause/ para/table/fig. No. commented (2)	Commentator / Organization/ Abbreviation (3)	Type of Comments (General/ Editorial/ Technical) (4)	Proposed change (5)	Decision of the Committee (6)
i.	Clause 8; Table 1	Shri Mukulesh Baruah (stakeholder); kreeti.das@bis.gov.in; 8787366106	Technical	The Permanganate Fading Test to be included in the standard pertaining to Methanol.	NOT AGREED to incorporate the permanganate fading test as the proposed parameter is required to be tested for methanol used for blending for which there exist separate standard IS 17075 : 2019.
ii.	1 Scope	Shri Vipul; regulife@mercgroup.com; 9513786924	Technical	<p>Scope: This standard prescribes the requirements and the methods of sampling and test for methanol (methyl alcohol).</p> <p>This standard does not cover pharmaceutical grade, Methanol Used For Antibiotics & Certified Reference Materials (CRMs) of Methanol such as Pharmacopeial standards, Analytical Standards etc or for R&D use only.</p> <p>Clause 4.4 to be deleted.</p>	<p>The Committee after detailed deliberation concluded that before taking a final decision on exclusion of methanol used in pharmaceutical industry (pharma grade) it is essential to hold a consultative meeting with concerned regulator to have a clarity on the need of Indian Standards for such chemicals which have application in pharmaceutical industry. Following this discussion, the Committee REQUESTED BIS Sectt. to host a meeting involving BIS, Chairman PCD 9, CDSCO, DCPC, and Indian Pharmacopoeia to address the following point:</p> <p>a) To discuss the scope of setting requirements for chemicals used in the pharmaceutical industry in Indian Standards formulated by PCD 9 that is to determine whether these will be covered by the Indian Pharmacopoeia or BIS.</p>



					Based on the conclusion of above said meeting/inputs, the detailed deliberation may be taken up subsequently.
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2.1.5 IS 361 : 2009 Normal Butyl Alcohol, Technical - Specification (Third Revision)

The Committee NOTED item 2.1.5 of the agenda and after detailed deliberation, DECIDED as follows:

Sl. No. (1)	Clause/Sub-clause/ para/table/fig. No. commented (2)	Commentator/ Organization/ Abbreviation (3)	Type of Comments (General/Editorial / Technical) (4)	Proposed change (5)	Decision of the Committee (6)
1	ANNEX A [Table 1, Sl No. (i)]	Shanul Pagar - GBL	Purity, percent by mass(Dry Basis)	Purity by GC, percent by area 99.50 Min New GC method - ANNEX A	AGREED to incorporate the modified GC method as the proposed method is detailed method.
2	ANNEX F [Table 1, Sl No. (vii)]	Shanul Pagar - GBL	Aldehydes and ketones content (as butyraldehyde, C ₃ H ₇ CHO), percent by mass. <i>Max</i>	Remove Annex F Add Annex.A	AGREED to incorporate the GC method for determination of impurity as it is more accurate when compared with existing method which is titration. Additionally, DECIDED to modify the parameter title to 'Butyraldehyde, Butyl acetate & other suspected impurities (such as higher acetates, alcohols), percent by area' for improved precision and clarity.

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3	ANNEX E [Table 1, Sl No. (vi)]	Shanul Pagar - GBL	Acidity (as CH ₃ COOH), percent by mass. <i>Max</i>	Annex E – old method to be Removed Annex E - New method to be added	AGREED to modify the existing method with proposed method , as it offers greater accuracy and detail.
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After deliberations, the Committee REQUESTED Shri Shanul Pagar, Godavari Biorefineries to provide the chromatogram. On receiving the chromatogram, REQUESTED BIS Sectt. to prepare the draft revision by incorporating the above agreed changes and circulate to Committee Members for 15 days. If no comments received on the draft, it will be then issued into wide circulation for 2 months.

Item 3 PROGRAMME OF WORK

3.1 Activities of Organic Chemicals, Alcohols & Allied Products Sectional Committee, PCD 09

The Committee NOTED item 3.1 of the agenda about the list of Indian Standards published and documents at various stages under PCD 09.

3.2 Standards due for review/ pre 2000/reaffirmation pending from previous meeting

The Committee NOTED item 3.2 of the agenda about the standards which were due for review/pre 2000 and pending since last meetings.

After deliberations, DECIDED as follows:

Sl No.	IS No. / IS Title	Present Status	Decision of the Committee
i)	IS 12277 : 1988 Specification for Polyethylene Glycol 400	ARP is awaited.	The Committee NOTED the information that the standards are under ARP. After detailed deliberations, it was DECIDED to REAFFIRM the standards for the time being the inputs are being received and may be taken up for revision based on the inputs received.
ii)	IS 13359 : 1992 Polyethylene Glycol 200 - Specification	The Committee may CONSIDER reaffirming the standard and may take up for revision on receiving the inputs.	
iii)	IS 5341 : 1980 Specification for Benzyl Chloride, Technical (First Revision)		
iv)	IS 6775 : 1973 Specification for Ethyl Chloride, Technical		
v)	IS 7901 : 1975 Specification for triethanolamine, technical		

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vi)	IS 9986 : 1999 Benzaldehyde - Specification (First Revision)		
vii)	IS 7619 : 1987 Specification for Pentaerythritol (First Revision)		
viii)	IS 6718 : 1972 Specification for Phenoxyacetic Acid	Consultant recruitment is under process.	The Committee NOTED that the Consultant recruitment is under process. It was further DECIDED to REAFFIRM and ARCHIVE the standards, with the option to revoke archive for revision upon receiving inputs from the consultant, subject to their joining the position.
ix)	IS 9207 : 1979 Specification or di - Tet - Butyl - Para – Cresol, technical	The Committee may CONSIDER reaffirming and achieving the standard. Further, archive may be revoked at later stage.	
x)	IS 5254 : 1980 Specification for acetanllide technical (First Revision)		
xi)	IS 7220 : 1974 Specification for ethylenediaminetetra - Acetic acid pure and technical		
xii)	IS 501 : 1976 Specification for oxalic acid technical and analytical reagent (Second Revision)		
xiii)	IS 7729 : 1975 Specification for Sodium Monochloroacetate		
xiv)	IS 170 : 2020 Acetone — Specification (Fifth Revision)	Amendment is issued and to be sent for printing. PCD 09 (24417) — Amendment no. 4 The Committee may CONSIDER reaffirming the standard with amendment.	


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xv)	IS 245 : 2020 Specification for Trichloroethylene, Technical (Fourth Revision)	The Committee may CONSIDER reaffirming the standards as the standards published in 2020 and are as per latest technologies used.	The Committee DECIDED to REAFFIRM the standards noting that they align with the latest technologies. Additionally, amendment was recently issued to IS 2631 to update it according to current technological advancements.
xvi)	IS 2631 : 2020 Iso Propyl Alcohol — Specification (Second Revision)		
xvii)	IS 4566 : 2020 Specification For Methylene Chloride (Dichloromethane), Technical (Second Revision)	Amendment is under printing. PCD 09 (23392) — Amendment no. 2 The Committee may CONSIDER reaffirming the standard with amendment.	The Committee NOTED that the amendment to IS 4566 has been issued and is currently under printing. Additionally, amendment to IS 5149 is to be issued. After deliberations, DECIDED to REAFFIRM the standards WITH AMENDMENT .
xviii)	IS 5149 : 2020 Specification for Maleic Anhydride, Technical (Second Revision)	Decided to issue an amendment in the last meeting. The Committee may CONSIDER reaffirming the standard with amendment.	
xix)	IS 517 : 2020 Specification for Methanol (Methyl Alcohol) (Third Revision)	The Committee may CONSIDER reaffirming the standards as the standards published in 2020 and are as per latest technologies used.	The Committee DECIDED to REAFFIRM the standards, noting that they align with the latest technologies and also the standard is under mandatory certification and thus it is regularly updated for its smooth implementation.
xx)	IS 538 : 2020 Phenol (Carboic Acid) — Specification (Third Revision)	BIS Observation: The marking symbol is wrongly mentioned. The material is poisonous while the label given in standard is of explosive.  _tmp_1728965211.p df IS 538 —	The Committee NOTED the comment as received from BIS Sectt. After deliberation, the Committee DECIDED to issue an amendment to modify the reference of fig 1 of IS 1260 Part 1, as fig 1 in the mentioned IS is of explosive and not poison. The correct reference should be fig 11. Additionally, the Committee DECIDED to incorporate the symbol as per GHS labels instead of giving reference of fig 11 of IS 1260 Part 1, as the standard is very old



		 IS 1260_1.pdf IS 1260 (Part 1) — The Committee may CONSIDER .	standards and the labels in IS 1260 Part 1 are outdated Further, the Committee REQUESTED BIS Sectt. to prepare the draft amendment based on the above agreed change and circulate to Committee members for 15 days. If no comments received issue it into wide circulation for 2 months. Simultaneously, the Committee DECIDED to REAFFIRM the standards WITH AMENDMENT .
xxi)	IS 695 : 2020 Acetic Acid — Specification (Fourth Revision)	The Committee may CONSIDER reaffirming the standards as the standards published in 2020 and are as per latest technologies used.	The Committee DECIDED to REAFFIRM the standards, noting that they align with the latest technologies. Additionally, NOTED that IS 695 is under mandatory certification and thus is regularly updated for its smooth implementation.
xxii)	IS 9851 : 2020 Specification for Iso-propyl Ether (First Revision)		
xxiii)	IS 9908 : 2020 Specification for Formic Acid (First Revision)	Amendment is issued and to be sent for printing. PCD 09 (26242) — Amendment no. 3 The Committee may CONSIDER reaffirming the standard with amendment.	The Committee NOTED that the amendment to IS 9908 has been issued and is currently under printing. After deliberations, DECIDED to REAFFIRM the standard WITH AMENDMENT .
xxiv)	IS 17342 : 2020 Determination of Ethyl Alcohol Concentration by Digital Densitometer	The Committee may CONSIDER reaffirming the standards as the standards published in 2020 and are as per latest technologies used.	The Committee DECIDED to REAFFIRM the standards, noting that they align with the latest technologies.
xxv)	IS 17412 : 2020 Trimethyl Phosphite - Technical Grade		

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xxvi)	IS 4306 : 1987 Specification for Hexamethylenetetramine (Hexamine)(Second Revision)	<p>Simalin Chemical Industries Pvt Ltd has been requested for inputs. Inputs are awaited.</p> <p>The Committee may CONSIDER reaffirming and achieving the standard. Further, archive may be revoked on receiving inputs.</p>	The Committee NOTED that the inputs are awaited from Simalin Chemical Industries Pvt Ltd and further, DECIDED to REAFFIRM and ARHIEVE the standard. Further, archive may be revoked on receiving inputs.
xxvii)	IS 13322 : 1992 Furfural, Technical - Specification	<p>Shri Shanul Pagar, Godavari Biorefineries informed that they are procuring furfural from trader who import from foreign and thus not able to trace the manufacturer of the material in India.</p> <p>The Committee may CONSIDER reaffirming and achieving the standard. Further, archive may be revoked on receiving inputs.</p>	The Committee NOTED that the Committee is unable to identify the manufacturers of furfural, despite its applications in India, and therefore DECIDED to REAFFIRM and ARHIEVE the standard. Further, archive may be revoked on receiving inputs.
xxviii)	IS 5992 : 1970 Specification for p - Dichlorobenzene, technical	<p>Aarti Industries, to be contacted for inputs.</p> <p>Inputs are awaited.</p> <p>The Committee may CONSIDER reaffirming and achieving the standard. Further, archive may be revoked on receiving inputs.</p>	The Committee REQUESTED BIS Sectt. to seek inputs from Aarti Industries at the earliest and meanwhile, DECIDED to REAFFIRM and ARHIEVE the standard. Further, archive may be revoked on receiving inputs.
xxix)	IS 6716 : 1981 Specification for Benzoic Acid, Technical (First Revision)	<p>I.G. Petrochemical Ltd, one of the manufacturers was contacted for inputs. After reviewing the draft, the following inputs have been received:</p> <p>Table 1 Requirements for Benzoic acid technical</p> <p>Sr No. ii) Melting point is written instead of that Crystallization point will be better.</p> <p>The Committee may CONSIDER reaffirming and REVISING the standard. based on the inputs received.</p>	The Committee NOTED the comments as received from I.G. Petrochemical Ltd regarding modifying the Melting point by Crystallization point. After deliberation the Committee, NOT AGREED to modify the terminology of melting point by crystallization point as the material is crystalline powder and thus melting point is of relevance as compared to crystallization point. Further, DECIDED to REAFFIRM and REVISE the standard by updating the

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			cross-referred standards as no other technical input is received after reviewing the standard by I.G. Petrochemical Ltd.
xxx)	IS 6749 : 1972 Glossary of terms relating to alcohol (Ethyl) industry and trade	<p>All India Distiller Association has been requested for inputs, with last date as 10 August 2024.</p> <p>No input has been received till date.</p> <p>The Committee may CONSIDER reaffirming the standards and simultaneously revise the standard by updating the cross-referred standards if no inputs are received.</p>	<p>During the meeting Shri Sukhraj Soni, All India Distiller Association informed the Committee that no inputs are there from distilleries and it may be revised by just updating the cross-referred standards.</p> <p>After deliberations, the Committee DECIDED to REAFFIRM and REVISE the standard by updating the cross-referred standards as no inputs have been received.</p>
xxxii)	IS 10744 : 1983 Specification for resorcinol	<p>Atul limited has been requested for inputs.</p> <p>Inputs awaited.</p> <p>The Committee may NOTE.</p>	The Committee REQUESTED BIS Sectt. to seek inputs from Atul limited at the earliest.
xxxiii)	IS 14310 : 1995 Glyoxal (40 Percent solution) - Specification	<p>Clariant IGL Speciality Chemicals Pvt. Ltd. is yet to be contacted for inputs.</p> <p>The Committee may NOTE.</p>	The Committee REQUESTED BIS Sectt. to seek inputs from Clariant IGL Speciality Chemicals Pvt. Ltd at the earliest.
xxxiiii)	IS 14375 : 1996 Cyclohexanone - Specification	<p>Inputs awaited.</p> <p>The Committee may NOTE.</p>	The Committee REQUESTED Shri Dharmesh Siddhapuri, M/s Deepak Phenolics ltd to provide the inputs within 3 months time.
xxxv)	IS 321 : 1964 Specification for absolute alcohol (Revised) and	<p>Inputs awaited from Panel.</p> <p>Composition of Panel:</p>	<p>The Committee reviewed and reconstituted the Working Group as many of the members are no longer part of PCD 09.</p> <p>Modified Composition of Working Group:</p>



	<p>IS 323 : 2009 Rectified Spirit for Industrial Use - Specification (Second Revision)</p>	<p>1. Shri A.J. Wani, Godavari Biorefineries Limited (R&D) [Convener]</p> <p>2. Shri J.P. Suryawanshi, Lakshmi Organic Industries</p> <p>3. Shri Hari Mohan Lohani, Jubilant Life Sciences Limited</p> <p>4. Shri Panchaksharaiah M. Pungnoor, I.G. Petrochemicals Limited.</p> <p>5. Shri C.S. Patel, GNFC</p> <p>Since many of the Panel members are no longer part of PCD 9, the Committee may CONSIDER reviewing the Panel and reconstitute it.</p>	<p>1. Shri Shanul Laxmanrao Pagar, Godavari Biorefineries Limited (R&D) [Convener]</p> <p>2. Dr R. K. Sharma, India Glycols Limited</p> <p>3. Shri Kanak Das, Jubilant Life Sciences Limited</p> <p>4. Shri Panchaksharaiah M. Pungnoor, I.G. Petrochemicals Limited.</p> <p>5. Shri C.S. Patel, GNFC</p> <p>6. Shri Pramod Mall, RIL</p> <p>Further, REQUESTED Working Group to provide their inputs within the timeline of 4 months.</p>
xxxv)	<p>IS 9834 : 1981</p>	<p>It is informed that it came to notice that the standard was published in 1981 and not in 2004.</p> <p>Also, recently two BIS license are granted for the product and thus the standard was not reaffirmed and achieved as the standard is in use.</p> <p>The Committee may CONSIDER reaffirming the standard, instead of achieving it.</p>	<p>The Committee REQUESTED BIS Sectt. to seek inputs from two BIS license to align them with latest technologies. Based on the inputs the standard may be considered for revision.</p> <p>Additionally, the Committee DECIDED to REAFFIRM the standard instead of reaffirm and archive as decided in the last meeting.</p>

3.3 R&D Projects

3.3.1 The Committee NOTED item 3.3.1 of the agenda about the new initiative of R&D while formulation of new standards or revision of existing standards.

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3.3.2 The Committee NOTED item 3.3.2 of the agenda about the following two research projects that were identified and approved by the Committee in its last meeting:

SI No.	Title of Project Proposed	Type – R&D for new standards/ R&D for revision of standards	Decision of the Committee in previous meeting	Present Status	Decision of the Committee
1.	Validation of alcoholometry data by hydrometer method and pyknometer method	R&D for revision of standards: IS 2302 and IS 3506	The Committee NOTED about the standard format of the ToR to be prepared. In the view of this, to prepare the ToR according to the new format the Committee constituted the following Panel: a) Shri Shanul Pagar, Godavari Biorefineries; b) All India Distillers Association. c) Member Secretary, BIS	Panel is yet to conduct the meeting. Inputs awaited. The Committee may NOTE.	The Committee NOTED that the meeting of working group is yet to be conducted and thus REQUESTED working group to take it at priority and finalize the ToR.
2.	Validation of Interconversion data for ethanol-water mixtures	R&D for revision of standards: IS 5860	• The Committee NOTED the finalization of R&D project by Screening Committee. Further, the Committee REQUESTED the Committee member to apply for the project, if relevant to them.	The project has been commissioned to Dr Rohidas Gangaram Bhoi, Professor, MNIT, Jaipur The Committee may NOTE.	The Committee NOTED about commissioning of project to Dr Rohidas Gangaram Bhoi, Professor, MNIT, Jaipur.

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			<ul style="list-style-type: none">Further, since the standards was due for review, based on the inputs received decision of the reaffirm or revise or both may be taken.		
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3.4 Standards to be allotted to BIS officers as ARP or Consultants

The Committee NOTED item 3.4 of the agenda and the list of standards along with 5 other standards as mentioned at item 3.2 [SI No. (vii) to (xiii)] above which will be allotted to consultant for reviewing and providing inputs keeping in mind the latest technological advancement, subject to recruited of consultant, which is under process. The list of standards is as given below:

SI No.	IS Number	Title
i)	IS 2979 : 1964	Specification for fusel oil
ii)	IS 360 : 1964	Specification for amyl alcohol
iii)	IS 540 : 1968	Specification for refined cresylic acid (First Revision)
iv)	IS 231 : 1957	Specification for amyl acetate
v)	IS 880 : 1956	Specification for tartaric acid

3.5 Documents under printing/published

The Committee NOTED item 3.5 of the agenda about the documents that were finalized and were sent for printing.

3.6 Bifurcation of PCD 09 Sectional Committee

The Committee NOTED item 3.6 of the agenda. During the meeting, BIS Sectt. informed the Committee that Smt Meenal Passi have been superannuated and categorization of products under various groups like ketone, halogenated hydrocarbon, alcohols etc has been done, but it is being difficult to decide as how the Committee can be bifurcated with equal number of QCOs. In view of this, the Committee REQUESTED working group to host the meeting and provide recommendation to the Committee at the earliest. Additionally, Dr Amarish Samel, BASF proposed to be part of the working group. After detailed deliberations, the Committee modified the composition of the working group as follows:

Modified composition:

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- a) Dr C.V. Rode, Chairperson PCD 09
- b) Dr M.J. Kapadia, In Personal Capacity
- c) Shri Chinmay Dwivedi, H(PCD)
- d) Dr Amarish Samel, BASF
- e) Ms Aditi Choudhary, Member Secretary PCD 09.

3.7 Liaison with ISO/TC 47 Chemistry

The Committee NOTED item 3.7 of the agenda about the ISO/TC 47. During deliberation, BIS Sectt. informed Committee about the work done at international level in field of formulation of international standards in chemistry, under the scope of ISO/TC 47. After detailed deliberation, the Committee felt a need that our organic experts shall also be part of the ISO/TC 47 so as to place India's interest in the field of organic chemistry. In the view of this, the Committee decided to nominate PCD 9 as monitor of the ballots, with CHD 1 as voter for the time being the experts are conversant with the iso work, which may further be upgraded as and when required.

Additionally, the Committee REQUESTED BIS sectt. to provide a list of ISO standards published for organic chemicals. Experts may then review this list and indicate their willingness to represent India's interests by offering their names to review and provide input on relevant standards whenever a ballot is issued.

Item 4 RECENT INITIATIVES OF BIS

4.1 Presentation on the process reforms by BIS

The Committee NOTED item 4.1 of the agenda about the recent process reforms taken by BIS to strengthen and streamline the standardization activity.

4.2 Scientific journals and periodicals to be subscribed

The Committee NOTED item 4.2 of the agenda about subscribing scientific journals and magazines suggested by the Committee for facilitating standards work.

4.3 Rolling annual action plan for the year 2024-25

The Committee NOTED item 4.3 of the agenda about Annual Action Plan as prepared for financial year 2024-2025.

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Item 5 DATE AND PLACE FOR THE NEXT MEETING

The Committee NOTED item 5 of the agenda about the date and venue of next meeting and DECIDED to conduct the next meeting of PCD 09 in January 2025, preferably a physical meeting at Mumbai. The Committee also REQUESTED BIS Sectt. to contact IIT Bombay or other academic institutions in Gujarat for hosting the next meeting of PCD 09.

Item 6 ANY OTHER BUSINESS

Item 6.1 New Subject - Tetrahydrofuran

The Committee NOTED the agenda item which was tabled during the meeting. Based on the decision of the Committee in last meeting and after deliberations on the inputs as received from INEOS the Committee DECIDED to constitute a working group with a task to deliberate on the inputs in detail and to prepare a draft standard on specification for tetrahydrofuran. The composition of the Working Group is as follows:

Composition —

- a) Dr. Mayur J. Kapadia, Personal Capacity (Convenor)
- b) Dr. Amarish Samel, BASF
- c) Shri Shanul Pagar, Godavari Biorefineries Ltd
- d) Shri Shrikant, INEOS
- e) BIS Sectt.

Item 7 VOTE OF THANKS

The meeting ended up with a vote of thanks to Dr C.V. Rode for chairing the meeting and the members present during the meeting for their active participation.



Annex A
(Attendance)

Sl. No.	Organization	Represented by	Email id
1.	IN INDIVIDUAL CAPACITY	Dr. C.V. Rode	cv.rode@ncl.res.in/cvrode8@gmail.com
2.	All India Distillers Association, New Delhi	Shri Sukhraj Soni	sukhraj.soni@sprayengineering.com
3.	BASF India Limited, Mumbai	Dr. Amarish Samel	amarish.samel@basf.com
4.	CSIR - Central Drug Research Institute, Lucknow	Dr. Sanjeev Kanojiya	sanjeev_kanojiya@cdri.res.in
5.	Deepak Fertilizers and Petrochemicals Corporation Limited, Navi Mumbai	Shri Suresh Amle	suresh.amle@dfpcl.com
6.	Deepak Phenolics Limited, Vadodara	Shri Dharmesh Siddhapuria	dharmesh.bhatt@heubach.com/drsiddhapuria@godeepak.com
7.	Dow Chemical International Private Limited, Mumbai	Shri V. Mohandoss	pvhosale@dow.com/mv@dow.com
8.	Godavari Biorefineries, Mumbai	Shri Shanul Laxmanrao Pagar	shanul@somaiya.com
9.	Gujarat Narmada Valley Fertilizers Company Limited, Ahmedabad	Shri R.M. Patel	rajeshpatel@gnfc.in
		Shri C.S. Patel	cspatel@gnfc.in
10.	Hindustan Organic Chemicals Limited (HOCL), Mumbai	Dr. B. Rajeev	brajeev.pillai@gmail.com/hoclsocialmedia@gmail.com
11.	India Glycols Limited, Uttarakhand	Shri R.K. Sharma	r.k.sharma@indiaglycols.com
12.	Indian Chemical Council, Mumbai	Shri Dhrumil Soni	dhrumilsoni@iccmil.in

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13.	Indian Oil Corporation Limited, Panipat	Dr. Y.S. Jhala	jhalays@indianoil.in
14.	Jubilant Agri and Consumer Products Limited, Gurugram	Dr. Kanak Baran Dass	Kanak.Dass@jubl.com
15.	Ministry of Chemicalsand Fertilizers, New Delhi	Shri O.P. Sharma	omsharma@nic.in
16.	Reliance India Limited,Mumbai	Shri Vasant Warke	vasant.warke@ril.com
		Shri Pramod Mall	pramod.mall@ril.com
17.	In Personal Capacity	Dr. Mayur J. Kapadia	mjkapadia61@gmail.com