

Note: Subcommittee notes may include preliminary discussions regarding substances considered for addition to or removal from the National List. They do not represent official National Organic Program (NOP) policy/regulations or NOSB recommendations. Proposals must be voted on by the full Board, to become recommendations to the USDA. Please see the NOP website for official NOP policy, regulations, and status of substances used in organic production and handling.

Handling Subcommittee (HS) Notes **Tuesday, February 16, 2021 1:00 pm ET**

Present: Jerry D'Amore (JD), Chair; Asa Bradman (AB), Vice Chair; Steve Ela (SE); Kim Huseman (KH); Kyla Smith (KS); Carolyn Dimitri (CD)

Absent: Wood Turner (WT)

Staff: Michelle Arsenault (MA); Jared Clark (JC)

Agenda

- Review February 2, 2021 notes
- Zein (JD) - Discuss petition discussion doc/vote
- 2023 Sunset: Glucono delta-lactone (JD for WT) - Discuss review
- Ion exchange filtration proposal (SE/SR) - Discuss proposal/vote
- Fish oil annotation proposal (AB) - Discuss/vote
- Phosphoric acid (AB/MJ) - Deferred to Fall 2021
- Additional items
- Adjourn

Discussion

- **February 2, 2021** notes were accepted as written.
- **Zein (JD).** The lead summarized the review and noted that the same process to produce zein also produces corn steep liquor. He posed several questions to the group about the prior review and feedback, and the HS will post the discussion document for comment for the Spring meeting. A member asked about the classification of the substance based on the current classification decision tree.

Motion to accept the petition discussion document on zein

Motion by: JD

Seconded by: SE

Yes: 6 No: 0 Abstain: 0 Absent: 1 Recuse: 0

- **2023 Sunset: Glucono delta-lactone (GDL) (JD for WT).** JD summarized the uses of GDL and the group had a brief discussion about alternatives and international standards which don't allow the use of GDL. The review will be posted for the Spring meeting. The lead noted there are no ancillary substances.
- **Ion exchange filtration proposal (SE).** The lead noted that the NOSB had a proposal at the Fall 2020 meeting and it did not pass, and was sent back to the Handling Subcommittee for further work. Based on previous comments from stakeholders and discussion at the Fall NOSB meeting, there are conflicting interpretations as to how the materials used in ion exchange filtration should be listed and how certifiers should review these materials. The question before the Board is whether only the recharge materials used to "refresh" the ion content of the resins in the column should be on the National List or whether the resins themselves should also be on the List. A member suggested the additional of text from the TR regarding the manufacture and use of

divinyl benzene indicating that potentially serious toxicants such as styrene, a known carcinogen, may be used in the manufacture of synthetic resins.

Motion to accept the ion exchange filtration proposal

Motion by: SE

Seconded by: JD

Yes: 6 No: 0 Abstain: 0 Absent: 1 Recuse: 0

- **Fish oil annotation proposal (AB).** The lead summarized the draft proposal noting that fish oil is a complex marine material issue. In a previous discussion document, the Handling Subcommittee included limiting the source of fish oil materials to byproduct from fish stocks that have been evaluated to other US standards. The members also discussed the feasibility of relying on third-party certifiers who rate seafood sustainability. The HS will put forth a discussion document instead of a proposal to gather more information through public comment.

Motion to accept the discussion document on fish oil annotation (with modifications made during the call)

Motion by: AB

Seconded by: JD

Yes: 6 No: 0 Abstain: 0 Absent: 1 Recuse: 0

- **Additional items.**
 - Cetylpyridinium chloride (CPC) proposal will be deferred to the Fall meeting and the HS will discuss the sufficiency of the TR on the next call
 - Phosphoric acid (AB/MJ) - Deferred to Fall 2021.
- The meeting was adjourned.

[Previous HS Notes](#)

Future call schedule (1st and 3rd Tuesdays 1:00 ET. except where noted)

February 2, 2021

2023 Sunset: Chlorine materials (AB) - discuss review

2023 Sunset: Carrageenan (AB/JD) - discuss review

2023 Sunset: Animal enzymes (KH) - discuss review

Zein (JD) - Discuss petition discussion doc/TR sufficiency

Fish oil annotation proposal (AB) - discuss

Phosphoric acid (AB/MJ) - discussion draft pet discussion doc

Ion exchange filtration proposal (SE/SR) - discuss proposal/vote

February 16, 2021

2023 Sunset: Glucono delta-lactone (JD for WT) - Discuss review

Zein (JD) - Discuss petition discussion doc/vote

Ion exchange filtration proposal (SE/SR) - Discuss proposal/vote

Fish oil annotation proposal (AB) - Discuss/vote

March 2, 2021

Cetylpyridinium chloride (CPC) (AB/KH) - TR sufficiency

March 16, 2021

April 6, 2021

April 20, 2021

May 4, 2021

Phosphoric acid - TR Sufficiency (if available)

May 18, 2021
 June 1, 2021
 June 15, 2021
 July 6, 2021
 July 20, 2021
 August 3, 2021
 August 17, 2021
 September 7, 2021
 September 21, 2021
 October 5, 2021
 October 19, 2021
 November 2, 2021
 November 16, 2021
 December 7, 2021
 December 21, 2021

Work Agenda

Petitioned Substances:

Substance	National List	Contact	Doc Type	Notes*	Scheduled, Discussed, Voted	Target meeting
Whey protein concentrate (removal from 205.606)	205.606	SE/AB	Proposal	Petition sent to HS 12.23.19. Sufficiency due 2.29.20. HS sent additional questions to petitioner 02.04.20. Questions revised and resent 3.13.20. Response returned 3.23.20. Sufficiency due ASAP. HS found petition sufficient 07.07.20. Hold pending completion of Fall 2020 sunset recommendation	TBD	TBD
Cetylpyridinium chloride (CPC)	205.605	AB/KH	Proposal	Petition sent to HS 01.13.20. Sufficiency due 03.13.20. HS sent additional questions to petitioner 03.17.20. Petitioners responses sent to HS 5.4.20. Petition found sufficient 05.19.20. The HS requested TR 06.02.20. Expected back in mid-January. TR sent to HS 2.2.21. TR sufficiency due 4.3.21	5.19.20 06.02.20 07.21.20 3.2.21	Fall 2021

Phosphoric acid - amend annotation Addendum #1 Addendum #2	205.605(b)	AB	Proposal	2003 TR Petition sent to HS 01.28.20. Sufficiency due 03.28.20. HS sent additional questions to petitioner 03.17.20. Response sent to HS 4.6.20. HS sent additional questions to petitioner 5.6.20. Response sent to HS 8.10.20. Petition found sufficient 9.1.20 and HS requested a full TR 12.1.20.	05.05.20 09.01.20 12.1.20 12.15.20 5.4.21	Fall 2021
Zein	205.606	JD	Disc doc	Petition sent to HS 03.20.20. Sufficiency due 05.19.20. HS sent additional questions to the petitioner 06.02.20. Response sent to HS 06.16.20. HS found petition sufficient 07.07.20 and requested a TR. TR sent to HS 01.21.21. TR Sufficiency due 03.22.21. TR found sufficient 2.2.21.	05.19.20 07.07.20 07.21.20 2.2.21 2.16.21	Spr 2021

- Other Projects

Substance	Contact	Notes*	Scheduled, Discussed, Voted	Target meeting
Fish oil annotation Discussion doc	AB	Work agenda request 5.13.19. Sent to NOP 7.3.19. Approved by NOP 8.6.19.	2.16.21	Spr 2021
L-Malic acid reclassification	SR	Work agenda request 5.13.19. Sent to NOP 7.3.19. Approved by NOP 8.6.19.	TBD	Fall 2021
Ion exchange filtration proposal	SE/SR	NOP memo sent to NOSB 8.27.19. TR requested 9.3.19. TR due in ~ mid-January 2020. TR sent to HS 03.11.20. TR suff due 05.10.20. HS sent additional questions to TR contractor 6/9/2020. Response to questions sent to HS 07.24.20. TR was found sufficient 08.04.20.	1.19.21 2.2.21 2.16.21	Spr 2021
Research Priorities	ALL	RPs due to MS 01.19.21.	1.5.21 1.19.21 7.20.21	Spr 2021
Packaging substances used in organic food handling - including BPA	AB	Submitted briefing paper to NOP 1.12.14. Response memo from NOP sent to HS 11.19.14. TR in development, expected mid-Sep -delayed. TR received 9.30.16. In review by the program. TR sent to HS 10.19.16. TR sufficiency due 12.20.16. TR found insufficient 12.20.16. Vote: 2.21.17. New TR in development. Expected July 2017. TR received 7.10.17. Response due 09.8.17. TR found sufficient 8.1.17. ON HOLD.	TBD	Discussion doc On hold

Nutrient Vitamins and Minerals - annotation change	?	2011 NOSB recommendation DHA 2011 NOSB recommendation ARA Pending NOP Approval. Approved for addition to the work agenda 1.12.16. ON HOLD pending NOP action.	TBD	TBD
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*Highlight indicates committee action needed. *Highlight indicates review completion and/or vote

2023 Sunset Review: TR Requests (July 2020), Summary (Spr 2021), Review (Fall 2021)

Substance	National List	Contact	TR Request?	Notes*	Scheduled, Discussed, Voted	Target meeting
Agar-agar	205.605(a)	KH	N	Sunset date: 5/29/2023 2011 TR 2016/Fall - Rec to Renew	1.19.21	Summary: Spr 2021 Review: Fall 2021
Animal enzymes	205.605(a)	KH	N	Sunset date: 5/29/2023 2011 TR Enzymes 2015 TR Enzymes 2016/Fall - Rec to Renew	2.2.21	“
Calcium sulfate - mined	205.605(a)	WT	N	Sunset date: 5/29/2023 2001 TR 2016/Fall - Rec to Renew	1.19.21	“
Carrageenan	205.605(a)	AB/JD	N	Sunset date: 5/29/2023 2011 TR 2016 TR 2016/Fall - Rec to Renew	2.2.21	“
Glucono delta-lactone	205.605(a)	WT/ARB	N	Sunset date: 5/29/2023 2016 TR 2016/Fall - Rec to Renew	2.16.21	“
Tartaric acid	205.605(a)	SE	N	Sunset date: 5/29/2023 2011 TR 2016/Fall - Rec to Renew	12.15.20	“
Cellulose	205.605(b)	CD	N	Sunset date: 11/3/2023 2016 TR 2016/Fall - Rec to Renew	12.15.20	“
Chlorine materials (i) Calcium hypochlorite. (ii) Chlorine dioxide. (iii) Hypochlorous acid—generated from electrolyzed water. (iv) Sodium hypochlorite	205.605(b)	AB	N	Sunset date: 1/28/2024 2015 TR Hypochlorous Acid 2016/Spr Rec to ADD	1.19.21 2.2.21	
Potassium hydroxide	205.605(b)	SE	N	Sunset date: 5/29/2023 2016 TR 2016/Fall - Rec to Renew	12.15.20	“

Silicon dioxide	205.605(b)	KS	N	Sunset date: 5/29/2023 2010 TR 2016/Fall - Rec to Renew	1.5.21	“
Potassium lactate	205.605(b)	JD	N	Sunset date: 1/28/2024 2015 TR (Lactic Acid, Sodium Lactate, and Potassium Lactate) 2016/Spring - Rec to ADD	12.1.20	“
Sodium lactate	205.605(b)	JD	N	Sunset date: 1/28/2024 2015 TR (Lactic Acid, Sodium Lactate, and Potassium Lactate) 2016/Spring - Rec to ADD	12.1.20	“

Spring 2021 Milestones	Target dates (tentative)
NOP - Publish FRN, Open public comment	Feb 18, 2021
NOSB - Spring 2021 proposals due to NOP	Feb 18, 2021
New NOSB member training	Feb 3 - 5, 2021
NOP - Draft Spring 2021 NOSB meeting tentative agenda	Feb 2, 2021
NOP - Post proposals	Mar 3, 2021
Public comment closes	Apr 5, 2021
NOP - Send compiled public comments to NOSB	Apr 6, 2021
Public comment webinars	Apr 20 & 22, 2021
Spring 2021 NOSB meeting - Virtual	Apr 28 - 30, 2021

Note: Subcommittee notes may include preliminary discussions regarding substances considered for addition to or removal from the National List. They do not represent official National Organic Program (NOP) policy/regulations or NOSB recommendations. Proposals must be voted on by the full Board, to become recommendations to the USDA. Please see the NOP website for official NOP policy, regulations, and status of substances used in organic production and handling.

Handling Subcommittee (HS) Notes **Tuesday, February 2, 2021 1:00 pm ET**

Present: Jerry D'Amore (JD), Chair; Asa Bradman (AB), Vice Chair; Steve Ela (SE); Kim Huseman (KH); Wood Turner (WT); Kyla Smith (KS); Carolyn Dimitri (CD)

Absent: None

Staff: Michelle Arsenault (MA); Jared Clark (JC)

Agenda

- Review January 19, 2021 notes
- 2023 Sunset: Carrageenan (AB/JD) - discuss review
- Zein (JD) - Discuss petition discussion doc/TR sufficiency
- 2023 Sunset: Animal enzymes (KH) - discuss review
- Ion exchange filtration proposal (SE/SR) - discuss proposal/vote
- 2023 Sunset: Chlorine materials (AB) - discuss review
- Fish oil annotation proposal (AB) – discuss
- Additional items
- Adjourn

Discussion

- **January 19, 2021 notes** were accepted as written
- **2023 Sunset: Carrageenan (AB/JD).** The lead summarized his review for carrageenan, noting uses, manufacture, and International allowances. The lead described the previous review, and noted that although the NOSB voted to remove carrageenan from the National List, the NOP received public comment opposing the decision, and therefore did not remove it. The HS will seek public comment on the questions in the review at the Spring meeting.
- **Zein (JD).** The lead summarized the petitioned uses of zein, noting that it is non-synthetic. He also summarized the technical report and the HS found the TR sufficient. The lead will develop a discussion document and the HS will vote on it during the next call.
- **2023 Sunset: Animal enzymes (KH).** The lead summarized the uses and manufacturing processes of animal enzymes, and the HS will post the document for the Spring meeting.
- **2023 Sunset: Chlorine materials (AB).** The lead summarized the four substances listed under chlorine materials, noting the similarities, and associated human health and environmental concerns. Chlorine materials have a long history for use as food safety materials, and while members are concerned, they acknowledged the lack of alternatives. HS discussed adding a research priority on the human health concerns of chlorine materials. The lead will make some minor modifications to the draft document and submit it for the Spring meeting.
- **Ion exchange filtration proposal (SE).** The lead summarized the previous proposal, which was not passed by the NOSB at the Fall 2020 meeting, and instead was sent back to the Subcommittee for revision. The current version does not include a specific recommendation, but instead lays out the issue and suggests some paths for the NOP. A member noted the comments submitted by the certifier community at the Fall 2020 meeting. Members will send comments to the lead and the HS will vote on the proposal on the next call.
- **Fish oil annotation proposal (AB).** The discussion was deferred to next call. The lead did note that he received additional info from several stakeholder groups including NOAA. The lead will forward the feedback to the other members and the HS will discuss the proposal on the next call.
- **Additional items.** None.
- **The meeting was adjourned.**

[Previous HS Notes](#)

Future call schedule (1st and 3rd Tuesdays 1:00 ET. except where noted)

January 19, 2021

- 2023 Sunset: Agar-agar (KH) - discuss review
- 2023 Sunset: Animal enzymes (KH) - discuss review
- 2023 Sunset: Calcium sulfate - mined (WT) - discuss review
- 2023 Sunset: Chlorine materials (AB) - discuss review
- Ion exchange filtration proposal (SE/SR) - discuss review

February 2, 2021

- 2023 Sunset: Chlorine materials (AB) - discuss review
- 2023 Sunset: Carrageenan (AB/JD) - discuss review
- 2023 Sunset: Animal enzymes (KH) - discuss review
- Zein (JD) - Discuss petition discussion doc/TR sufficiency
- Fish oil annotation proposal (AB) - discuss
- Phosphoric acid (AB/MJ) - discussion draft pet discussion doc
- Ion exchange filtration proposal (SE/SR) - discuss proposal/vote

February 16, 2021

- 2023 Sunset: Glucono delta-lactone (WT) - Discuss review
- Zein (JD) - Discuss petition discussion doc/vote
- Ion exchange filtration proposal (SE/SR) - Discuss proposal/vote
- Fish oil annotation proposal (AB) - Discuss/vote
- Phosphoric acid (AB/MJ) - Discuss draft pet discussion doc

March 2, 2021

- Cetylpyridinium chloride (CPC) (AB/KH) - TR sufficiency

March 16, 2021

April 6, 2021

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May 4, 2021

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July 6, 2021

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August 17, 2021

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October 19, 2021

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Work Agenda

Petitioned Substances:

Substance	National List	Contact	Doc Type	Notes*	Scheduled, Discussed, Voted	Target meeting
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Zein	205.606	JD	Disc doc	Petition sent to HS 03.20.20. Sufficiency due 05.19.20. HS sent additional questions to the petitioner 06.02.20. Response sent to HS 06.16.20. HS found petition sufficient 07.07.20 and requested a TR. TR sent to HS 01.21.21. TR Sufficiency due 03.22.21 . TR found sufficient 2.2.21.	05.19.20 07.07.20 07.21.20 2.2.21 2.16.21	Spr 2021

Other Projects

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Fish oil annotation proposal	AB	Work agenda request 5.13.19. Sent to NOP 7.3.19. Approved by NOP 8.6.19.	2.16.21	Spr 2021
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Carrageenan	205.605(a)	AB/JD	N	Sunset date: 5/29/2023 2011 TR 2016 TR 2016/Fall - Rec to Renew	2.2.21	“
Glucono delta-lactone	205.605(a)	WT/ ARB	N	Sunset date: 5/29/2023 2016 TR 2016/Fall - Rec to Renew	2.16.21	“
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Chlorine materials (i) Calcium hypochlorite. (ii) Chlorine dioxide. (iii) Hypochlorous acid—generated from electrolyzed water. (iv) Sodium hypochlorite	205.605(b)	AB	N	Sunset date: 1/28/2024 2015 TR Hypochlorous Acid 2016/Spr Rec to ADD	1.19.21 2.2.21	“
Potassium hydroxide	205.605(b)	SE	N	Sunset date: 5/29/2023 2016 TR 2016/Fall - Rec to Renew	12.15.20	“
Silicon dioxide	205.605(b)	KS	N	Sunset date: 5/29/2023 2010 TR 2016/Fall - Rec to Renew	1.5.21	“
Potassium lactate	205.605(b)	JD	N	Sunset date: 1/28/2024 2015 TR (Lactic Acid, Sodium Lactate, and Potassium Lactate) 2016/Spring - Rec to ADD	12.1.20	“
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Spring 2021 Milestones	Target dates (tentative)
NOP - Publish FRN, Open public comment	~Nov 15, 2020
NOSB - Spring 2021 proposals due to NOP	Feb 18, 2021
New NOSB member training	TBD
NOP - Draft Spring 2021 NOSB meeting tentative agenda	Feb 2, 2021
NOP - Post proposals	Mar 3, 2021
Public comment closes	Apr 1, 2021
NOP - Send compiled public comments to NOSB	Apr 6, 2021
Public comment webinars	Apr 20 & 22, 2021
Spring 2021 NOSB meeting - Crystal City, VA	Apr 28 - 30, 2021

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Tuesday, January 19, 2021 1:00 pm ET

Present: Jerry D'Amore (JD), Chair; Asa Bradman (AB), Vice Chair; Steve Ela (SE); Kim Huseman (KH); Scott Rice (SR); Wood Turner (WT); Kyla Smith (KS) - observer; Carolyn Dimitri (CD) - observer

Absent: A-dae Briones (ARB)

Staff: Michelle Arsenault (MA); Jared Clark (JC)

Agenda

- Review January 5, 2021 notes
- 2023 Sunset: Agar-agar (KH) - discuss review
- 2023 Sunset: Calcium sulfate - mined (WT) - discuss review
- 2023 Sunset: Chlorine materials (AB) - discuss review
- Ion exchange filtration proposal (SE/SR) - discuss review
- Additional items
- Adjourn

Discussion

- **January 5, 2021 notes** were approved as written.
- **2023 Sunset: Agar-agar (KH).** The lead summarized the draft review noting the uses and history of agar-agar. The group discussed two different extraction processes and the classification of agar-agar and potentially may work on a re-classification in the future. The lead will finalize the review and send it to NOP for the Spring meeting.
- **2023 Sunset: Calcium sulfate - mined (WT).** The lead summarized the substance and its sources, emphasizing that this version is mined. The primary concerns are mining and exposure/human health. Calcium sulfate is widely used as a coagulant in tofu, a firming agent, etc. Members discussed the need for a new TR since the previous one is from 2001. A new TR would not be completed in time for the current sunset review and would have to be for the next round. The last review was completed in 2016 and it was relisted unanimously by the full Board. The lead will submit the review to the NOP for the Spring meeting.
- **2023 Sunset: Chlorine materials (AB).** The lead introduced the substances, and noted that he reached out to stakeholders and industry members seeking additional information about the use and needs for chlorine materials, and possible alternatives. The NOSB recently hosted a panel on sanitizers, which includes chlorine materials. Members discussed human health and environmental concerns, and the view that chlorine is essential for processing and food safety. The lead will write a draft review for discussion on the next call.
- **Research Priorities.** AB reached out to several food safety experts about alternatives to chlorine materials, and it appears that research is already being conducted in this area, although it may be for conventional agriculture. The HS will keep its initial list of research priorities and not make any modifications.
- **Ion exchange filtration proposal (SE/SR).** The NOSB voted on a proposal on ion exchange filtration at the Fall 2020 NOSB meeting and it did not pass, so the HS is revisiting the proposal for the Spring 2021 meeting. Based on public comments the HS is proposing to list resins as a group, and not individually. Members also discussed the issue of food contact surfaces versus food additives. The lead will edit the document and the HS will vote on it during the next call.
- **Additional items.** None.
- **The meeting was adjourned**

[Previous HS Notes](#)

Future call schedule (1st and 3rd Tuesdays 1:00 ET. except where noted)

January 5, 2021

2023 Sunset: Silicon dioxide (SR) - discuss review
Research Priorities - finalize list to send to Materials Subcomm

January 19, 2021

2023 Sunset: Agar-agar (KH) - discuss review
2023 Sunset: Animal enzymes (KH) - discuss review
2023 Sunset: Calcium sulfate - mined (WT) - discuss review
2023 Sunset: Chlorine materials (AB) - discuss review
Ion exchange filtration proposal (SE/SR) - discuss review

February 2, 2021

2023 Sunset: Chlorine materials (AB) - discuss review
2023 Sunset: Carrageenan (AB/JD) - discuss review
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Phosphoric acid (AB/MJ) - discussion draft pet discussion doc
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February 16, 2021

2023 Sunset: Glucono delta-lactone (WT) - discuss review
Cetylpyridinium chloride (CPC) (AB/KH) - discuss petition discussion doc

March 2, 2021

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Cetylpyridinium chloride (CPC)	205.605	AB/KH	Disc doc	Petition sent to HS 01.13.20. Sufficiency due 03.13.20. HS sent additional questions to petitioner 03.17.20. Petitioners responses sent to HS 5.4.20. Petition found sufficient 05.19.20. The HS requested TR 06.02.20. Expected back in mid-January.	5.19.20 06.02.20 07.21.20 2.16.21	Spr 2021
Phosphoric acid - amend annotation Addendum #1 Addendum #2	205.605(b)	AB	Disc doc	2003 TR Petition sent to HS 01.28.20. Sufficiency due 03.28.20. HS sent additional questions to petitioner 03.17.20. Response sent to HS 4.6.20. HS sent additional questions to petitioner 5.6.20. Response sent to HS 8.10.20. Petition found sufficient 9.1.20 and HS will request a full TR.	05.05.20 09.01.20 12.1.20 12.15.20 2.2.21	Spr 2021
Zein	205.606	JD	Disc doc	Petition sent to HS 03.20.20. Sufficiency due 05.19.20. HS sent additional questions to the petitioner 06.02.20. Response sent to HS 06.16.20. HS found petition sufficient 07.07.20 and requested a TR. TR due to HS early January.	05.19.20 07.07.20 07.21.20 2.2.21	Spr 2021

Other Projects

Substance	Contact	Notes*	Scheduled, Discussed, Voted	Target meeting
Fish oil annotation proposal	AB	Work agenda request 5.13.19. Sent to NOP 7.3.19. Approved by NOP 8.6.19.	2.2.21	Spr 2021
L-Malic acid reclassification	SR	Work agenda request 5.13.19. Sent to NOP 7.3.19. Approved by NOP 8.6.19.	TBD	Fall 2021

Ion exchange filtration proposal	SE/SR	NOP memo sent to NOSB 8.27.19. TR requested 9.3.19. TR due in ~ mid-January 2020. TR sent to HS 03.11.20. TR suff due 05.10.20. HS sent additional questions to TR contractor 6/9/2020. Response to questions sent to HS 07.24.20. TR was found sufficient 08.04.20.	1.19.21 2.2.21	Spr 2021
Research Priorities	ALL	RPs due to MS 01.19.21.	1.5.21 1.19.21	Spr 2021
Packaging substances used in organic food handling - including BPA	AB	Submitted briefing paper to NOP 1.12.14. Response memo from NOP sent to HS 11.19.14. TR in development, expected mid-Sep -delayed. TR received 9.30.16. In review by the program. TR sent to HS 10.19.16. TR sufficiency due 12.20.16. TR found insufficient 12.20.16. Vote: 2.21.17. New TR in development. Expected July 2017. TR received 7.10.17. Response due 09.8.17. TR found sufficient 8.1.17. ON HOLD.	TBD	Discussion doc On hold
Nutrient Vitamins and Minerals - annotation change	?	2011 NOSB recommendation DHA 2011 NOSB recommendation ARA Pending NOP Approval. Approved for addition to the work agenda 1.12.16. ON HOLD pending NOP action.	TBD	TBD

*Highlight indicates committee action needed. *Highlight indicates review completion and/or vote

2023 Sunset Review: TR Requests (July 2020), Summary (Spr 2021), Review (Fall 2021)

Substance	National List	Contact	TR Request?	Notes*	Scheduled, Discussed, Voted	Target meeting
Agar-agar	205.605(a)	KH	N	Sunset date: 5/29/2023 2011 TR 2016/Fall - Rec to Renew	1.19.21	Summary: Spr 2021 Review: Fall 2021
Animal enzymes	205.605(a)	KH	N	Sunset date: 5/29/2023 2011 TR Enzymes 2015 TR Enzymes 2016/Fall - Rec to Renew	2.2.21	
Calcium sulfate - mined	205.605(a)	WT	N	Sunset date: 5/29/2023 2001 TR 2016/Fall - Rec to Renew	1.19.21	"
Carrageenan	205.605(a)	AB/JD	N	Sunset date: 5/29/2023 2011 TR 2016 TR 2016/Fall - Rec to Renew	2.2.21	"
Glucono delta-lactone	205.605(a)	WT/ ARB	N	Sunset date: 5/29/2023 2016 TR 2016/Fall - Rec to Renew	2.16.21	"
Tartaric acid	205.605(a)	SE	N	Sunset date: 5/29/2023 2011 TR 2016/Fall - Rec to Renew	12.15.20	"

Cellulose	205.605(b)	SR	N	Sunset date: 11/3/2023 2016 TR 2016/Fall - Rec to Renew	12.15.20	“
Chlorine materials (i) Calcium hypochlorite. (ii) Chlorine dioxide. (iii) Hypochlorous acid—generated from electrolyzed water. (iv) Sodium hypochlorite	205.605(b)	AB	N	Sunset date: 1/28/2024 2015 TR Hypochlorous Acid 2016/Spr Rec to ADD	1.19.21 2.2.21	
Potassium hydroxide	205.605(b)	SE	N	Sunset date: 5/29/2023 2016 TR 2016/Fall - Rec to Renew	12.15.20	“
Silicon dioxide	205.605(b)	SR	N	Sunset date: 5/29/2023 2010 TR 2016/Fall - Rec to Renew	1.5.21	“
Potassium lactate	205.605(b)	JD	N	Sunset date: 1/28/2024 2015 TR (Lactic Acid, Sodium Lactate, and Potassium Lactate) 2016/Spring - Rec to ADD	12.1.20	“
Sodium lactate	205.605(b)	JD	N	Sunset date: 1/28/2024 2015 TR (Lactic Acid, Sodium Lactate, and Potassium Lactate) 2016/Spring - Rec to ADD	12.1.20	“

Spring 2021 Milestones	Target dates (tentative)
NOP - Publish FRN, Open public comment	~Nov 15, 2020
NOSB - Spring 2021 proposals due to NOP	Feb 18, 2021
New NOSB member training	TBD
NOP - Draft Spring 2021 NOSB meeting tentative agenda	Feb 2, 2021
NOP - Post proposals	Mar 3, 2021
Public comment closes	Apr 1, 2021
NOP - Send compiled public comments to NOSB	Apr 6, 2021
Public comment webinars	Apr 20 & 22, 2021
Spring 2021 NOSB meeting - Crystal City, VA	Apr 28 - 30, 2021

Note: Subcommittee notes may include preliminary discussions regarding substances considered for addition to or removal from the National List. They do not represent official National Organic Program (NOP) policy/regulations or NOSB recommendations. Proposals must be voted on by the full Board, to become recommendations to the USDA. Please see the NOP website for official NOP policy, regulations, and status of substances used in organic production and handling.

Handling Subcommittee (HS) Notes Tuesday, January 5, 2021 1:00 pm ET

Present: Asa Bradman (AB), Vice Chair; Steve Ela (SE); Kim Huseman (KH); Scott Rice (SR); Wood Turner (WT); Kyla Smith (KS) - observer

Absent: Jerry D'Amore (JD), Chair; A-dae Briones (ARB)

Staff: Michelle Arsenault (MA); Jared Clark (JC)

Agenda

- Review December 15 notes
- 2023 Sunset: Silicon dioxide (SR) - discuss review
- Research Priorities - finalize list to send to Materials Subcomm
- Additional items
- Adjourn

Discussion

- **December 15 notes** were accepted as written.
- **2023 Sunset: Silicon dioxide (SR).** The lead summarized the uses of silicon dioxide, its manufacture, environmental concerns, ancillary substances, and public comment from the last review. The lead also mentioned an NOP policy memo addressing nano-technology. The NOSB received a petition to remove silicon dioxide in 2010, but it was not recommended for removal at that time. A member asked about silica dust, which has adverse health effects, and whether or not that is pertinent to this substance. The lead will re-review the TR, add any information about manufacture that may address silica dust, add a couple of questions suggested by members, and recirculate the draft.
- **Research Priorities.** The group discussed possible Research Priorities for the Spring 2021 meeting. Members discussed sanitizers and the use of substances in rotation. A member emphasized the need for an ecosystem approach when looking at sanitizers.
- **Additional items.**
 - Ion exchange. The lead reached out to stakeholders who commented at the Fall NOSB meeting to collect more info about the use of resins and the HS will discuss it on the next call. A member had some additional questions about resins and food contact and will join the discussion with the lead and commenters.
- **The meeting was adjourned**

[Previous HS Notes](#)

Future call schedule (1st and 3rd Tuesdays 1:00 ET. except where noted)

December 15, 2020 (rescheduled to 12:30 ET)

2023 Sunset: Tartaric acid (SE) - discuss review

2023 Sunset: Cellulose (SR) - discuss review

2023 Sunset: Potassium hydroxide (SE) - discuss review

Phosphoric acid (AB/MJ) - discuss need for full TR or limited scope TR

January 5, 2021

2023 Sunset: Silicon dioxide (SR) - discuss review

Research Priorities - finalize list to send to Materials Subcomm

January 19, 2021

2023 Sunset: Agar-agar (KH) - discuss review

2023 Sunset: Animal enzymes (KH) - discuss review
 2023 Sunset: Calcium sulfate - mined (WT) - discuss review
 2023 Sunset: Chlorine materials (AB) - discuss review
 Ion exchange filtration proposal (SE/SR) - discuss review
 February 2, 2021
 2023 Sunset: Carrageenan (AB/JD) - discuss review
 Zein (JD) - Discuss petition discussion doc
 Fish oil annotation proposal (AB) - discuss
 Phosphoric acid (AB/MJ) - discussion draft pet discussion doc
 February 16, 2021
 2023 Sunset: Glucono delta-lactone (WT) - discuss review
 Cetylpyridinium chloride (CPC) (AB/KH) - discuss petition discussion doc
 March 2, 2021
 March 16, 2021
 April 6, 2021
 April 20, 2021
 May 4, 2021
 May 18, 2021
 June 1, 2021
 June 15, 2021
 July 6, 2021
 July 20, 2021
 August 3, 2021
 August 17, 2021
 September 7, 2021
 September 21, 2021
 October 5, 2021
 October 19, 2021
 November 2, 2021
 November 16, 2021
 December 7, 2021
 December 21, 2021

Work Agenda

Petitioned Substances:

Substance	National List	Contact	Doc Type	Notes*	Scheduled, Discussed, Voted	Target meeting
Whey protein concentrate (removal from 205.606)	205.606	SE/AB	Proposal	Petition sent to HS 12.23.19. Sufficiency due 2.29.20. HS sent additional questions to petitioner 02.04.20. Questions revised and resent 3.13.20. Response returned 3.23.20. Sufficiency due ASAP. HS found petition sufficient 07.07.20	TBD	TBD

Cetylpyridinium chloride (CPC)	205.605	AB/KH	Disc doc	Petition sent to HS 01.13.20. Sufficiency due 03.13.20. HS sent additional questions to petitioner 03.17.20. Petitioners responses sent to HS 5.4.20. Petition found sufficient 05.19.20. The HS requested TR 06.02.20. Expected back in mid-January.	5.19.20 06.02.20 07.21.20 2.16.21	Spr 2021
Phosphoric acid - amend annotation Addendum #1 Addendum #2	205.605(b)	AB	Disc doc	2003 TR Petition sent to HS 01.28.20. Sufficiency due 03.28.20. HS sent additional questions to petitioner 03.17.20. Response sent to HS 4.6.20. HS sent additional questions to petitioner 5.6.20. Response sent to HS 8.10.20. Petition found sufficient 9.1.20 and HS will request a full TR.	05.05.20 09.01.20 12.1.20 12.15.20 2.2.21	Spr 2021
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		insufficient 12.20.16. Vote: 2.21.17. New TR in development. Expected July 2017. TR received 7.10.17. Response due 09.8.17. TR found sufficient 8.1.17. ON HOLD.		
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