

National Organic Standards Board
Policy Development Subcommittee
Discussion Document: Sunset Review Efficient Work Load Reorganization
February 23, 2016

INTRODUCTION:

At present, the National Organic Standards Board (NOSB) conducts sunset reviews of materials according to the same schedule that the materials were added to the National List. Since the majority of materials on the National List were first included when the organic regulations were published in 2002, the number of materials reviewed each year by the NOSB is radically disproportionate. The peak of required reviews in 2/7 review cycle¹ (2022/2027) with 187 material listings (estimated) and corresponds to the date that most materials were added on the National List with the promulgation of the final rule in 2002. In contrast the 4/9 cycle (2019/2024) has only 1 material set for review. The sum of all years other than the 2/7 cycle is 31 (estimated). Reviewing 187 materials in one year and 27 materials over 4 years is an inefficient use of resources and board time.

BACKGROUND:

The National List identifies synthetic substances that may be used in organic production and nonsynthetic (natural) substances that may not be used. It also includes non-organic substances that may be used in or on processed organic products.

As provided for by the “sunset provision” of the Organic Foods Production Act, (OFPA) “No exemption or prohibition contained in the National List shall be valid unless the National Organic Standards Board has reviewed such exemption or prohibition...within 5 years of such exemption or prohibition being adopted or reviewed and the Secretary has renewed such exemption or prohibition (7 U.S.C. 6517(e)).”

The National Organic Standards Board (NOSB) reviews materials on the National List on a schedule that ensures each material is reviewed prior to the end of this five-year period. By giving each material its due consideration, the NOSB can offer recommendations to the Secretary (via USDA National Organic Program) as to whether materials should be removed from the National List. The review of each material can be significant, as it involves research

¹ A Note of terminology used to talk about sunset review cycles. Sunset review cycles occur every five years on a predictable pattern. To facilitate brevity in this document the review cycle will be termed by the last year digits – so an item on the current 2018 sunset review would be part of the 3/8 sunset review cycle.

Terminology used	Current Sunset Cycle	Next Sunset Review year
0/5 cycle	2020 (reviewed in 2018)	2025 (reviewed in 2023)
1/6 cycle	2021 (reviewed in 2019)	2026 (reviewed in 2024)
2/7 cycle	2022 (reviewed in 2020)	2027 (reviewed in 2025)
3/8 cycle	2018 (reviewed in 2016)	2023 (reviewed in 2021)
4/9 cycle	2019 (reviewed in 2017)	2024 (reviewed in 2022)

(including completion of technical reports by a third party, upon NOSB's request), debate among the NOSB, public comment periods, and public meetings. Public comment includes considerable time and resources by a wide array of stakeholders, including thousands of pages of detailed written reports for every material, and these must be prepared in a very short period of time. The NOP currently allows for approximately two years for each material to complete the sunset review cycle, and materials that "sunset" in 2018 are being considered in 2016 by the NOSB.

The advantages of a more even distribution of this work include:

- More balanced attention for individual materials, regardless of the date added to the National List
- Predictable and balanced materials workload for NOSB
- Reduced strain on NOP in supporting the NOSB's reviews during peak years, including coordination and review of technical reports and rulemaking actions
- Greater efficiencies in time and staff resources at NOP
- More reasonable number of items for the public to comment on in the limited time provided under the regulations.

Advancing the review of materials is the only way to resolve the distribution problem. Without any change, the disproportionate number of materials that sunset in 2017 will again come up for review in 2022. Since the review workload is lighter in all other years of the five year cycle than 2017, the NOSB could achieve an even load most quickly by advancing review as soon as possible after the 2017 materials have completed the renewal process.

RELEVANT AREAS OF THE RULE:

"No exemption or prohibition contained in the National List shall be valid unless the National Organic Standards Board has reviewed such exemption or prohibition...within 5 years of such exemption or prohibition being adopted or reviewed and the Secretary has renewed such exemption or prohibition (7 U.S.C. 6517(e))."

DISCUSSION:

The following items were considered in the proposal to reorganize the 2/7 review.

3/8 cycle excluded – Items will not be moved from the 2/7 to the 3/8 because of timing - items would need to be included in 2016 review occurring concurrent to this discussion document. Additionally, items should be "reviewed" after the program has "renewed" items on the national list. This renewal step will take place no later than 3/17/2017 when the first 2017 material reached 5 years from its last renewal. Since reviews occur 2 years prior to sunset review date 2018 materials need to be reviewed prior to 3/17/2017.

Only materials on the 2/7 cycle subject to early review- Only items from the 2/7 cycle are being evaluated for an early review. Items on other cycle will remain where they are even if earlier review would lead to a more efficient review. Since materials may be added or removed from the list in any year, a perfectly even work load is unrealistic.

Materials voted for removal during 2016 and 2017 Sunset Review Excluded. Items voted for removal under the 2016 and 2017 sunset review are excluded from this process and accounting

of materials since these materials should be removed from the National List prior to implementation of these proposals.

Material Removals – Farmers, livestock operations and handling operations need to operate under a predictable business environment. These business are planning operations and researching new alternative materials on a 5 year cycles. Items reviewed early under the reorganization plan should be allowed to sunset on their original timeline in 2022. To do this, the NOSB will modify their sunset review documents to specify a 2022 removal and work in collaboration with the program to delay rulemaking until 2022.

Workload – Workload should be roughly even amongst the 5 years. Materials should be split by sub- committee to even the workload of each subcommittee. Since materials may be added or removed from the list in any year, a perfectly even work load is unrealistic.

Impartial and Efficient - The process of reorganization should be as impartial and non-political as possible while also being efficient. The most impartial reorganization reviews materials sequentially based on their listing on the national list. The most efficient reviews would group like items and groupings (i.e. all soil amendments) into the same year so the full list of materials could be considered. However, this can only be done in a limited way since only items of the 2/7 cycle are being reorganized. There are a number of options that balance impartiality and efficiency with different weights.

Method for Reorganization:

The following proposals are being considered for reorganization. The NOSB is seeking comment from the public on the preferred plan for reorganizing the sunset review process. Items voted to be removed in the 2016 and 2017 review are not included on the lists below. One of the proposals, “Current State” is to make no changes to the present sunset review process.

PROPOSALS CONSIDERED:

Attachment A shows the National list substances and the proposed next sunset review year under the various proposals.

Current State/Control:

- for reference – no change

Subcommittee	2018	2019	2020	2021	2022	Grand Total
CS	7	1	4	2	52	66
HS	10		2	5	94	111
LS					41	41
Grand Total	17	1	6	7	187	218

Option A: Straight division sequentially by reference number

- 3/8 cycle excluded
- 205.601, 205.602, 205.603, 205.604, materials on the 2/7 cycle are reorganized to the 4/9, 0/5, 1/6, 2/7 cycle sequential starting at 205.601 (a). Items on 205.605(a) 205.605(b) and 205.606 items are alphabetize within their own list and reorganized sequential amongst the same 4 review cycles.

Subcommittee	2018	2019	2020	2021	2022	Grand Total
CS	7	14	17	15	13	66
HS	10	23	26	29	23	111
LS		11	10	10	10	41
Grand Total	17	48	53	54	46	218

Option B: Like grouping referred together, groupings combined to make even numbers

- 3/8 cycle excluded
- Items are grouped by similar items within lists. Items on 205.601 are reorganized by subsection (i.e. part (a), (b), (c), etc.). Items on 205.602 are considered in the same cycle. Items on 205.603 are broken up by type (i.e. parasiticides, sanitizers, etc.). Items on 205.604 are considered together. Items are grouped by 205.605(a), 205.605 (b) 1st ½ of 205.606 (when alphabetized) and 2nd ½ of 205.606 (when alphabetized) are put into each cycle.

Subcommittee	2018	2019	2020	2021	2022	Grand Total
CS	7	15	19	13	12	66
HS	10	23	37	21	20	111
LS		12	10	11	8	41
Grand Total	17	50	66	45	40	218

RECOMMENDED PROPOSAL:

Option C: Same items grouped together, divided by reference

- 3/8 cycle excluded
- Like items, regardless of listing section are grouped together by item (i.e. chlorine materials on 205.601, 205.603 and 205.605 are all grouped together) and reorganized to the year where they first appear on the list starting at 205.601(a).
- 205.601, 205.602, 205.603, 205.604, materials on the 2/7 cycle are reorganized to the 4/9, 0/5, 1/6, 2/7 cycle sequential starting at 205.601(a). Items on 205.605(a) 205.605(b) and 205.606 items are alphabetize within their own list and reorganized sequential amongst the same 4 review cycles.

Subcommittee	2018	2019	2020	2021	2022	Grand Total
CS	7	15	16	15	13	66
HS	10	27	27	27	20	111
LS		11	10	10	10	41
Grand Total	17	53	53	52	43	218

The PDS recommends option C as the best proposal to move forward with. The PDS believes this proposal achieves efficiency by grouping like items for review, allowing for TR's to be coordinated across subcommittees and for reviews to take into account all facets of allowed usages across the organic industry. At the same time, the reorganization is impartial and blind to bias by using sequential reordering.

REQUEST FOR PUBLIC COMMENT:

We are seeking comment from the public on the following:

- 1) Which of the four options would be most advantageous for a reorganization of sunset review?
- 2) If Option C is preferred are there other items that should be grouped together? (Later materials on the 2/7 reviews cycle will be reordered as a result of any changes earlier in the list).

Vote in Subcommittee

Motion to accept the sunset timeline reorganization discussion document

Motion by: Tom Chapman

Seconded by: Ashley Swaffar

Yes: 5 No: 0 Abstain: 0 Absent: 1 Recuse: 0

Attachment A

National List Section	Substance	Sunset/ Expiration Date	SC	Next Sunset Review Year under proposal:			RECOMMEN DATION: Option C	Notes
				Contr ol	Optio n A	Optio n B		
205.601(a)	Calcium hypochlorite	6/27/2017	CS	2022	2019	2020	2019	
205.601(a)	Chlorine dioxide	6/27/2017	CS	2022	2020	2020	2019	
205.601(a)	Copper sulfate	11/3/2018	CS	2018	2018	2018	2018	
205.601(a)	Ethanol	6/27/2017	CS	2022	2021	2020	2020	
205.601(a)	Hydrogen peroxide	6/27/2017	CS	2022	2022	2020	2021	
205.601(a)	Isopropanol	6/27/2017	CS	2022	2019	2020	2022	
205.601(a)	Ozone	11/3/2018	CS	2018	2018	2018	2018	
205.601(a)	Peracetic acid	5/29/2018	CS	2018	2018	2018	2018	
205.601(a)	Soap-based algicide/demosser s	6/27/2017	CS	2022	2020	2020	2019	
205.601(a)	Sodium carbonate peroxyhydrate	6/22/2020	CS	2020	2020	2020	2020	
205.601(a)	Sodium hypochlorite	6/27/2017	CS	2022	2021	2020	2019	
205.601(b)	Herbicides, soap-based	6/27/2017	CS	2022	2022	2019	2020	

205.601(b)	Newspaper or other recycled paper	6/27/2017	CS	2022	2019	2019	2021	
205.601(b)	Plastic mulch and covers (petroleum-based other than polyvinylchloride (PVC))	6/27/2017	CS	2022	2020	2019	2022	
205.601(b)	Biodegradable biobased mulch film	10/30/2019	CS	2019	2019	2019	2019	
205.601(c)	Newspaper or other recycled paper	6/27/2017	CS	2022	2021	2019	2021	
205.601(d)	Soaps, ammonium	6/27/2017	CS	2022	2022	2021	2019	
205.601(e)	Ammonium carbonate	6/27/2017	CS	2022	2019	2021	2020	
205.601(e)	Aqueous potassium silicate	6/22/2020	CS	2020	2020	2020	2020	
205.601(e)	Boric acid	6/27/2017	CS	2022	2020	2021	2021	
205.601(e)	Copper sulfate	11/3/2018	CS	2018	2018	2018	2018	
205.601(e)	Elemental sulfur	6/27/2017	CS	2022	2021	2021	2022	
205.601(e)	Lime sulfur	6/27/2017	CS	2022	2022	2021	2019	
205.601(e)	Oils, horticultural	6/27/2017	CS	2022	2019	2021	2020	
205.601(e)	Soaps, insecticidal	6/27/2017	CS	2022	2020	2021	2021	
205.601(e)	Sticky traps/barriers	6/27/2017	CS	2022	2021	2021	2022	
205.601(e)	Sucrose octanoate esters	6/27/2017	CS	2022	2022	2021	2019	
205.601(f)	Pheromones	6/27/2017	CS	2022	2019	2021	2020	
205.601(g)	Vitamin D3	6/27/2017	CS	2022	2020	2019	2021	
205.601(h)	Ferric phosphate	9/12/2016	CS	2021	2021	2021	2021	
205.601(i)	Aqueous potassium silicate	6/22/2020	CS	2020	2020	2020	2020	
205.601(i)	Copper sulfate	6/27/2017	CS	2022	2021	2020	2022	
205.601(i)	Coppers, fixed	6/27/2017	CS	2022	2022	2020	2019	
205.601(i)	Elemental sulfur	6/27/2017	CS	2022	2019	2020	2022	
205.601(i)	Hydrated lime	6/27/2017	CS	2022	2020	2020	2020	
205.601(i)	Hydrogen peroxide	6/27/2017	CS	2022	2021	2020	2021	
205.601(i)	Lime sulfur	6/27/2017	CS	2022	2022	2020	2019	
205.601(i)	Oils, horticultural	6/27/2017	CS	2022	2019	2020	2020	
205.601(i)	Peracetic acid	5/29/2018	CS	2018	2018	2018	2018	
205.601(i)	Potassium bicarbonate	6/27/2017	CS	2022	2020	2020	2021	
205.601(j)	Aquatic plant	6/27/2017	CS	2022	2021	2022	2022	

	extracts							
205.601(j)	Elemental sulfur	6/27/2017	CS	2022	2022	2022	2022	
205.601(j)	Humic acids	6/27/2017	CS	2022	2019	2022	2019	
205.601(j)	Lignin sulfonate	6/27/2017	CS	-	-	-	-	Removed 2017
205.601(j)	Liquid fish products	6/27/2017	CS	2022	2020	2022	2020	
205.601(j)	Magnesium sulfate	6/27/2017	CS	2022	2021	2022	2021	
205.601(j)	Soluble boron products	6/27/2017	CS	2022	2022	2022	2022	
205.601(j)	Sulfates, carbonates, oxides, or silicates of zinc, copper, iron, manganese, molybdenum, selenium, and cobalt	6/27/2017	CS	2022	2019	2022	2019	
205.601(j)	Sulfurous acid	6/22/2020	CS	2020	2020	2020	2020	
205.601(j)	Vitamin B1	6/27/2017	CS	2022	2020	2022	2020	
205.601(j)	Vitamin C	6/27/2017	CS	2022	2021	2022	2021	
205.601(j)	Vitamin E	6/27/2017	CS	2022	2022	2022	2022	
205.601(k)	Ethylene	6/27/2017	CS	2022	2019	2022	2019	
205.601(l)	Lignin sulfonate	6/27/2017	CS	2022	2020	2019	2020	
205.601(l)	Sodium silicate	6/27/2017	CS	2022	2021	2019	2021	
205.601(m)	EPA List 3 - Inerts of Unknown Toxicity	11/3/2018	CS	2018	2018	2018	2018	
205.601(m)	EPA List 4 - Inerts of Minimal Concern	6/27/2017	CS	2022	2022	2021	2022	
205.601(n)	Hydrogen chloride	9/12/2016	CS	2021	2021	2021	2021	
205.601(o)	Microcrystalline cheesewax	3/15/2017	CS	2022	2019	2022	2019	
205.602(a)	Ash from manure burning	6/27/2017	CS	2022	2020	2019	2020	
205.602(b)	Arsenic	6/27/2017	CS	2022	2021	2019	2021	
205.602(c)	Calcium chloride	11/3/2018	CS	2018	2018	2018	2018	
205.602(d)	Lead salts	6/27/2017	CS	2022	2022	2019	2022	
205.602(e)	Potassium chloride	6/27/2017	CS	2022	2019	2019	2019	
205.602(f)	Sodium fluoaluminatate	6/27/2017	CS	2022	2020	2019	2020	
205.602(g)	Sodium nitrate	10/21/2012	CS	-	-	-	-	Invalid Listing
205.602(h)	Strychnine	6/27/2017	CS	2022	2021	2019	2021	

205.602(i)	Tobacco dust (nicotine sulfate)	6/27/2017	CS	2022	2022	2019	2022	
205.603(a)	Aspirin	6/27/2017	LS	2022	2019	2021	2019	
205.603(a)	Atropine	6/27/2017	LS	2022	2020	2021	2020	
205.603(a)	Butorphanol	6/27/2017	LS	2022	2021	2021	2021	
205.603(a)	Calcium hypochlorite	6/27/2017	LS	2022	2022	2019	2019	
205.603(a)	Chlorhexidine	6/27/2017	LS	2022	2019	2019	2022	
205.603(a)	Chlorine dioxide	6/27/2017	LS	2022	2020	2019	2019	
205.603(a)	Electrolytes	6/27/2017	LS	2022	2021	2020	2019	
205.603(a)	Ethanol	6/27/2017	LS	2022	2022	2019	2020	
205.603(a)	Fenbendazole	5/16/2017	LS	2022	2019	2022	2020	
205.603(a)	Flunixin	6/27/2017	LS	2022	2020	2021	2021	
205.603(a)	Furosemide	6/27/2017	LS	-	-	-	-	Removed 2017
205.603(a)	Glucose	6/27/2017	LS	2022	2021	2020	2022	
205.603(a)	Glycerine	6/27/2017	LS	2022	2022	2020	2019	
205.603(a)	Hydrogen peroxide	6/27/2017	LS	2022	2019	2019	2021	
205.603(a)	Iodine	6/27/2017	LS	2022	2020	2019	2020	
205.603(a)	Isopropanol	6/27/2017	LS	2022	2021	2019	2022	
205.603(a)	Ivermectin	6/27/2017	LS	2022	2022	2022	2021	
205.603(a)	Magnesium hydroxide	6/27/2017	LS	2022	2019	2021	2022	
205.603(a)	Magnesium sulfate	6/27/2017	LS	2022	2020	2020	2021	
205.603(a)	Moxidectin	5/16/2017	LS	2022	2021	2022	2019	
205.603(a)	Oxytocin	6/27/2017	LS	2022	2022	2021	2020	
205.603(a)	Peracetic acid	6/27/2017	LS	2022	2019	2019	2021	
205.603(a)	Phosphoric acid	6/27/2017	LS	2022	2020	2019	2022	
205.603(a)	Poloxalene	6/27/2017	LS	2022	2021	2021	2019	
205.603(a)	Sodium hypochlorite	6/27/2017	LS	2022	2022	2019	2019	
205.603(a)	Tolazoline	6/27/2017	LS	2022	2019	2021	2020	
205.603(a)	Vaccines	6/27/2017	LS	2022	2020	2020	2021	
205.603(a)	Xylazine	6/27/2017	LS	2022	2021	2021	2022	
205.603(b)	Copper sulfate	6/27/2017	LS	2022	2022	2020	2022	
205.603(b)	Formic Acid	8/3/2017	LS	2022	2019	2020	2019	
205.603(b)	Hydrated lime	6/27/2017	LS	2022	2020	2020	2020	
205.603(b)	Iodine	6/27/2017	LS	2022	2021	2019	2020	
205.603(b)	Lidocaine	6/27/2017	LS	2022	2022	2021	2020	
205.603(b)	Mineral oil	6/27/2017	LS	2022	2019	2020	2021	
205.603(b)	Procaine	6/27/2017	LS	2022	2020	2021	2022	
205.603(b)	Sucrose octanoate esters	6/27/2017	LS	2022	2021	2020	2019	

205.603(d)	Methionine	10/2/2017	LS	2022	2022	2022	2019	
205.603(d)	Trace minerals	6/27/2017	LS	2022	2019	2022	2020	
205.603(d)	Vitamins	6/27/2017	LS	2022	2020	2022	2021	
205.603(e)	EPA List 4 - Inerts of Minimal Concern	6/27/2017	LS	2022	2021	2022	2022	
205.603(f)	Excipients	6/27/2017	LS	2022	2022	2022	2022	
205.604(a)	Strychnine	6/27/2017	LS	2022	2019	2019	2021	
205.605(a)	Agar-agar	11/3/2018	HS	2018	2018	2018	2018	
205.605(a)	Alginate acid	6/27/2017	HS	2022	2020	2019	2019	
205.605(a)	Animal enzymes	11/3/2018	HS	2018	2018	2018	2018	
205.605(a)	Attapulgit	8/3/2017	HS	2022	2021	2019	2020	
205.605(a)	Bentonite	6/27/2017	HS	2022	2022	2019	2021	
205.605(a)	Calcium carbonate	6/27/2017	HS	2022	2019	2019	2022	
205.605(a)	Calcium chloride	6/27/2017	HS	2022	2020	2019	2019	
205.605(a)	Calcium sulfate	11/3/2018	HS	2018	2018	2018	2018	
205.605(a)	Carnauba wax	6/27/2017	HS	2022	2021	2019	2020	
205.605(a)	Carrageenan	11/3/2018	HS	2018	2018	2018	2018	
205.605(a)	Citric acid	6/27/2017	HS	2022	2022	2019	2021	
205.605(a)	Dairy cultures	6/27/2017	HS	2022	2019	2019	2019	
205.605(a)	Diatomaceous earth	6/27/2017	HS	2022	2020	2019	2020	
205.605(a)	Egg white lysozyme	9/12/2016	HS	-	-	-	-	Removed 2016
205.605(a)	Enzymes	6/27/2017	HS	2022	2021	2019	2019	
205.605(a)	Flavors	6/27/2017	HS	2022	2022	2019	2021	
205.605(a)	Gellan gum	6/22/2020	HS	2020	2020	2020	2020	
205.605(a)	Glucono delta-lactone	11/3/2018	HS	2018	2018	2018	2018	
205.605(a)	Kaolin	6/27/2017	HS	2022	2019	2019	2022	
205.605(a)	Lactic acid	6/27/2017	HS	2022	2020	2019	2019	
205.605(a)	L-Malic acid	9/12/2016	HS	2021	2021	2021	2021	
205.605(a)	Magnesium sulfate	6/27/2017	HS	2022	2021	2019	2021	
205.605(a)	Microorganisms	9/12/2016	HS	2021	2021	2021	2021	
205.605(a)	Nitrogen	6/27/2017	HS	2022	2022	2019	2020	
205.605(a)	Oxygen	6/27/2017	HS	2022	2019	2019	2021	
205.605(a)	Perlite	6/27/2017	HS	2022	2020	2019	2022	
205.605(a)	Potassium chloride	6/27/2017	HS	2022	2021	2019	2019	
205.605(a)	Potassium iodide	6/27/2017	HS	2022	2022	2019	2020	
205.605(a)	Sodium bicarbonate	6/27/2017	HS	2022	2019	2019	2019	
205.605(a)	Sodium carbonate	6/27/2017	HS	2022	2020	2019	2020	
205.605(a)	Tartaric acid	11/3/2018	HS	2018	2018	2018	2018	

205.605(a)	Wood resin	6/27/2017	HS	2022	2021	2019	2021	
205.605(a)	Yeast	10/21/2017	HS	2022	2022	2019	2022	
205.605(b)	Acidified sodium chlorite	3/15/2017	HS	2022	2019	2020	2019	
205.605(b)	Activated charcoal	9/12/2016	HS	2021	2021	2021	2021	
205.605(b)	Alginates	6/27/2017	HS	2022	2020	2020	2020	
205.605(b)	Ammonium bicarbonate	6/27/2017	HS	2022	2021	2020	2021	
205.605(b)	Ammonium carbonate	6/27/2017	HS	2022	2022	2020	2020	
205.605(b)	Ascorbic acid	6/27/2017	HS	2022	2019	2020	2022	
205.605(b)	Calcium citrate	6/27/2017	HS	2022	2020	2020	2019	
205.605(b)	Calcium hydroxide	6/27/2017	HS	2022	2021	2020	2020	
205.605(b)	Calcium hypochlorite	6/27/2017	HS	2022	2022	2020	2019	
205.605(b)	Calcium phosphate dibasic	6/27/2017	HS	2022	2019	2020	2020	
205.605(b)	Calcium phosphate monobasic	6/27/2017	HS	2022	2020	2020	2020	
205.605(b)	Calcium phosphate tribasic	6/27/2017	HS	2022	2021	2020	2020	
205.605(b)	Carbon dioxide	6/27/2017	HS	2022	2022	2020	2021	
205.605(b)	Cellulose	11/3/2018	HS	2018	2018	2018	2018	
205.605(b)	Chlorine dioxide	6/27/2017	HS	2022	2019	2020	2019	
205.605(b)	Cyclohexylamine	9/12/2016	HS	-	-	-	-	Removed 2016
205.605(b)	Diethylaminoethanol	9/12/2016	HS	-	-	-	-	Removed 2016
205.605(b)	Diglycerides	6/27/2017	HS	2022	2020	2020	2022	
205.605(b)	Ethylene	6/27/2017	HS	2022	2021	2020	2019	
205.605(b)	Ferrous sulfate	6/27/2017	HS	2022	2022	2020	2019	
205.605(b)	Glycerin	6/27/2017	HS	2022	2019	2020	2020	
205.605(b)	Hydrogen peroxide	6/27/2017	HS	2022	2020	2020	2021	
205.605(b)	Magnesium carbonate	6/27/2017	HS	-	-	-	-	Removed 2017
205.605(b)	Magnesium chloride	6/27/2017	HS	2022	2021	2020	2021	
205.605(b)	Magnesium stearate	6/27/2017	HS	2022	2022	2020	2022	
205.605(b)	Monoglycerides	6/27/2017	HS	2022	2019	2020	2019	
205.605(b)	Nutrient vitamins and minerals	10/21/2017	HS	2022	2020	2020	2020	

205.605(b)	Octadecylamine	9/12/2016	HS	-	-	-	-	Removed 2016
205.605(b)	Ozone	6/27/2017	HS	2022	2021	2020	2021	
205.605(b)	Peracetic acid	9/12/2016	HS	2021	2021	2021	2021	
205.605(b)	Phosphoric acid	6/27/2017	HS	2022	2022	2020	2022	
205.605(b)	Potassium acid tartrate	6/27/2017	HS	2022	2019	2020	2022	
205.605(b)	Potassium carbonate	6/27/2017	HS	2022	2020	2020	2019	
205.605(b)	Potassium citrate	6/27/2017	HS	2022	2021	2020	2020	
205.605(b)	Potassium hydroxide	5/29/2018	HS	2018	2018	2018	2018	
205.605(b)	Potassium phosphate	6/27/2017	HS	2022	2022	2020	2021	
205.605(b)	Silicon dioxide	11/3/2018	HS	2018	2018	2018	2018	
205.605(b)	Sodium acid pyrophosphate	9/12/2016	HS	2021	2021	2021	2021	
205.605(b)	Sodium citrate	6/27/2017	HS	2022	2019	2020	2022	
205.605(b)	Sodium hydroxide	6/27/2017	HS	2022	2020	2020	2019	
205.605(b)	Sodium hypochlorite	6/27/2017	HS	2022	2021	2020	2019	
205.605(b)	Sodium phosphates	6/27/2017	HS	2022	2022	2020	2020	
205.605(b)	Sulfur dioxide	6/27/2017	HS	2022	2019	2020	2021	
205.605(b)	Tetrasodium pyrophosphate	9/12/2016	HS	-	-	-	-	Removed 2016
205.605(b)	Tocopherols	6/27/2017	HS	2022	2020	2020	2022	
205.605(b)	Xanthan gum	6/27/2017	HS	2022	2021	2020	2019	
205.606	Arabic gum	6/27/2017	HS	2022	2022	2022	2020	
205.606	Beet juice extract color	6/27/2017	HS	2022	2019	2021	2021	
205.606	Beta-carotene extract color	5/29/2018	HS	2018	2018	2018	2018	
205.606	Black currant juice color	6/27/2017	HS	2022	2020	2021	2022	
205.606	Black/Purple carrot juice color	6/27/2017	HS	2022	2021	2021	2019	
205.606	Blueberry juice color	6/27/2017	HS	2022	2022	2021	2020	
205.606	Carob bean gum	6/27/2017	HS	2022	2019	2022	2021	
205.606	Carrot juice color	6/27/2017	HS	2022	2020	2021	2022	
205.606	Casings	6/27/2017	HS	2022	2021	2022	2019	
205.606	Celery powder	6/27/2017	HS	2022	2022	2022	2020	
205.606	Cherry juice color	6/27/2017	HS	2022	2019	2021	2021	
205.606	Chia (Salvia hispanica L.)	6/27/2017	HS	-	-	-	-	Removed 2017

205.606	Chokeberry— Aronia juice color	6/27/2017	HS	2022	2020	2021	2022	
205.606	Cornstarch (native)	6/27/2017	HS	2022	2021	2022	2019	
205.606	Dillweed oil	6/27/2017	HS	-	-	-	-	Removed 2017
205.606	Elderberry juice color	6/27/2017	HS	2022	2022	2021	2020	
205.606	Fish oil	6/27/2017	HS	2022	2019	2022	2021	
205.606	Fructooligosaccha rides	6/27/2017	HS	2022	2020	2022	2022	
205.606	Galangal, frozen	6/27/2017	HS	-	-	-	-	Removed 2017
205.606	Gelatin	6/27/2017	HS	2022	2021	2022	2019	
205.606	Grape juice color	6/27/2017	HS	2022	2022	2021	2020	
205.606	Grape skin extract color	6/27/2017	HS	2022	2019	2021	2021	
205.606	Guar gum	6/27/2017	HS	2022	2020	2022	2022	
205.606	Inulin- oligofructose enriched	6/27/2017	HS	-	-	-	-	Removed 2017
205.606	Kelp	6/27/2017	HS	2022	2021	2022	2019	
205.606	Konjac flour	6/27/2017	HS	2022	2022	2022	2020	
205.606	Lecithin—de-oiled	3/15/2017	HS	2022	2019	2022	2021	
205.606	Lemongrass- frozen	6/27/2017	HS	-	-	-	-	Removed 2017
205.606	Locust bean gum	6/27/2017	HS	2022	2020	2022	2022	
205.606	Orange pulp, dried	3/15/2017	HS	2022	2021	2022	2019	
205.606	Orange shellac- unbleached	6/27/2017	HS	2022	2022	2022	2020	
205.606	Paprika color	6/27/2017	HS	2022	2019	2021	2021	
205.606	Pectin (non- amidated forms only)	6/27/2017	HS	2022	2020	2022	2022	
205.606	Peppers (Chipotle chile)	6/27/2017	HS	-	-	-	-	Removed 2017
205.606	Pumpkin juice color	6/27/2017	HS	2022	2021	2021	2019	
205.606	Purple potato juice	6/27/2017	HS	2022	2022	2022	2020	
205.606	Red cabbage extract color	6/27/2017	HS	2022	2019	2021	2021	
205.606	Red radish extract color	6/27/2017	HS	2022	2020	2021	2022	
205.606	Saffron extract color	6/27/2017	HS	2022	2021	2021	2019	
205.606	Seaweed, Pacific	3/15/2017	HS	2022	2022	2022	2020	

	kombu							
205.606	Sweet potato starch	6/27/2017	HS	2022	2019	2022	2021	
205.606	Tragacanth gum	6/22/2020	HS	2020	2020	2020	2020	
205.606	Turkish bay leaves	6/27/2017	HS	-	-	-	-	Removed 2017
205.606	Turmeric extract color	6/27/2017	HS	2022	2020	2021	2022	
205.606	Wakame seaweed (Undaria pinnatifida)	6/27/2017	HS	2022	2021	2022	2019	
205.606	Whey protein concentrate	6/27/2017	HS	-	-	-	-	Removed 2017

