

NOSB Processing Materials Decisions, June 2001

	A	G	H	I	J	K	L	M	N	O	P
1	Common Name	TAP Review	Vote Date	Vote Synth.	Vote 95%	Vote 70%	Status	Synthetic	7CFR 205	Annotation in 7CFR 205	Notes
2	acetic acid bacteria	No					Not reviewed				appears on 1994 petition
3	agar-agar	Yes	04/26/95	0-12-2	12-0-2		Allowed 95%+	Non-synthetic			Although approved by NOSB, this was omitted from National List. In 6/00 comments on proposed rule, NOSB asked it be listed as agricultural, needing to be organic when available.
4	alginates	Yes	04/26/95	14-0	10-4		Allowed 95%+	Synthetic	205.605(b)(1)	No annotation.	NOSB: Allowed, with no annotation.
5	alginic acid	Yes	04/26/95	1-12-1	13-1		Allowed 95%+	Non-synthetic	205.605(a)(1)(i)	No annotation.	NOSB: Allowed, with no annotation.
6	amino acids	Yes					Tabled 10/26/99				see L-cysteine
7	ammonium bicarbonate	Yes	04/26/95	14-0	14-0		Allowed 95%+	Synthetic	205.605(b)(2)	for use only as a leavening agent	NOSB: Limited to use as a leavening agent.
8	ammonium carbonate	Yes	04/26/95	14-0	14-0		Allowed 95%+	Synthetic	205.605(b)(3)	for use only as a leavening agent	NOSB: Limited to use as a leavening agent.
9	ammonium hydroxide	Yes					Deferred 3/06/01				
10	ammonium phosphates	Yes	11/01/95	13-0-0	0-13-0	3-6-5	Not allowed	Synthetic			NOSB: Also failed when voted to allow only for use as a yeast food in winemaking, 4-7-3. Includes monoammonium phosphate, diammonium phosphate; ammonium phosphate dibasic or monobasic
11	ammonium soaps	Yes	10/26/99	11-0	0-10-1	0-11-0	Not allowed	Synthetic			NOSB: Reviewed with waxes.
12	ascorbic acid	Yes	04/26/95	14-0	13-1		Allowed 95%+	Synthetic	205.605(b)(4)	No annotation.	NOSB: Allowed, with no annotation.
13	baking powder, aluminum free	No					Tabled 11/01/95				Minutes say "This material's component parts were all reviewed and approved for use in organic foods."
14	beeswax	Yes	10/26/99	0-11	1-10		Not prohibited	Non-synthetic			Considered an agricultural product, not added to the National List. Board noted in 99 it should be organic when available (however it is not listed under 205.606, could be considered for listing there).
15	bentonite	Yes	04/26/95	0-14	14-0		Allowed 95%+	Non-synthetic	205.605(a)(2)	No annotation.	NOSB: Allowed, with no annotation.

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16	boiler chemicals, general	Yes	04/25/95				Deferred 3/06/01				From Addendum 7, Organic Good Manufacturing Practices: "Residues of boiler water additives must be prevented from contacting organically produced food by the use of steam without entrained water, steam filtering, or other means." Recommendation passed 14-0. See listings for ammonium hydroxide, cyclohexylamine, diethylaminoethanol, morpholine, and octadecylamine.
17	calcium carbonate	Yes	11/01/95	0-13-1	13-1		Allowed 95%+	Non-synthetic	205.605(a)(3)	No annotation.	NOSB: Allowed, with no annotation.
18	calcium chloride	Yes	04/26/95	0-14	14-0		Allowed 95%+	Non-synthetic	205.605(a)(4)	No annotation.	NOSB: Minutes say "Only the natural form of this material is allowed."
19	calcium citrate	Yes	11/01/95	13-0	11-1-1		Allowed 95%+	Synthetic	205.605(b)(5)	No annotation.	NOSB: Allowed, with no annotation.
20	calcium hydroxide	Yes	04/26/95	12-1	10-3		Allowed 95%+	Synthetic	205.605(b)(6)	No annotation.	NOSB: Allowed, with no annotation.
21	calcium phosphates (di-, tri-, and mono-)	Yes	11/01/95	14-0-0	13-1		Allowed 95%+	Synthetic	205.605(b)(7)	No annotation.	NOSB: Uses discussed included baking powder, fortification, for yeast growth, and as a firming agent for yogurt.
22	calcium sulfate	Yes	03/07/01	0-15	15-0		Allowed 95%+	Non-synthetic	not yet added		NOSB annotation: nonsynthetic sources only.
23	calcium sulfate, synthetic	Yes	09/19/96	12-0	1-11	0-12	Not allowed	Synthetic			NOSB: The original review considered only synthetic sources.
24	carbon dioxide, non-synthetic	Yes	11/01/95	0-14	14-0		Allowed 95%+	Non-synthetic			Final rule does not list as a non-synthetic in 205.605(a).
25	carbon dioxide, synthetic	Yes	11/01/95	14-0	13-1		Allowed 95%+	Synthetic	205.605(b)(8)	No annotation.	NOSB noted that "The non-synthetic form is preferable to the synthetic."
26	carrageenan	Yes	04/26/95	5-9	13-0-1		Allowed 95%+	Non-synthetic			Not included in Final Rule, 12/21/2000. In 6/00 comments on proposed rule, NOSB asked it be listed as agricultural, needing to be organic when available.

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27	chlorine	Yes	11/02/95	11-0	9-2		Allowed	Synthetic	205.605(b)(9) chlorine materials (i) Calcium hypochlorite (ii) Chlorine dioxide (iii) Sodium hypochlorite	disinfecting and sanitizing food contact surfaces, <i>Except</i> , That, residual chlorine levels in the water shall not exceed the maximum residual disinfectant limit under the Safe Drinking water Act.	NOSB annotation: Allowed for disinfecting and sanitizing food contact surfaces. Residual chlorine levels for washwater in direct crop or food contact and in flush water from cleaning irrigation systems that is applied to crops or fields cannot exceed the maximum residual disinfectant limit under the Safe Drinking Water Act (currently 4 mg/l expressed as Cl <sub>2</sub> ). This substance is to be reviewed again in two years.
28	chymosin, bioengineered form	Yes	09/19/96	12-0	1-11	0-12	Not allowed	Synthetic			
29	citric acid	Yes	04/26/95	5-8	13-1		Allowed 95%+	Non-synthetic	205.605(a)(1)(ii)	produced by microbial fermentation of carbohydrate substances	NOSB: Must be produced by microbial fermentation of carbohydrate substrates.
30	clay: Fuller's earth, attapulgit	Yes					Tabled 09/19/96				NOSB: Board sent back to committee for clarification of current uses.
31	colors, natural								205.605(a)(5)	nonsynthetic sources only.	Not reviewed by NOSB
32	cornstarch (native)	Yes	11/01/95	0-14	14-0		Allowed 95%+	Non-synthetic	205.606(a)	No annotation.	NOSB approved only "native and unmodified starches" in 1995. In 6/00 comments on proposed rule, NOSB asked it be listed as agricultural, needing to be organic when available.
33	cultures, dairy	Yes	11/01/95	0-14	14-0		Allowed 95%+	Non-synthetic	205.605(a)(6)	No annotation.	NOSB annotation: Bacteria may not be a product of rDNA technology.
34	cyclohexylamine	Yes					Deferred 3/06/01				
35	diatomaceous earth	Yes	04/26/95	14-0	14-0		Allowed 95%+	Non-synthetic	205.605(a)(7)	food filtering aid only.	NOSB: For food filtering only.
36	diethylaminoethanol	Yes					Deferred 3/06/01				
37	enzymes, animal derived	Yes	11/16/00	0-12	10-2-1		Allowed 95%+	Non-synthetic	not yet added		NOSB: These specific types were approved only: rennet (animal derived); catalase--bovine liver; animal lipase; pancreatin; pepsin; trypsin. The TAP review used rennet as the "model" enzyme.

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38	enzymes, bacterial	Yes	04/26/95	14-0	14-0		Allowed 95%+	Non-synthetic	205.605(a)(8)	must be derived from edible, nontoxic plants, nonpathogenic fungi, or nonpathogenic bacteria.	NOSB: Original vote in 1995 for bacterial enzymes recommended this annotation: Enzymes that are produced by microorganisms that are products of recombinant DNA technology are synthetic and are prohibited unless specifically allowed. Synthetic bacterial enzymes must be petitioned by a manufacturer or processor.
39	enzymes, fungal	Yes	10/26/99	0-11	9-0-2		Allowed 95%+	Non-synthetic	205.605(a)(8)	must be derived from edible, nontoxic plants, nonpathogenic fungi, or nonpathogenic bacteria.	NOSB: from plant and fungal sources. Voted on plant and fungal enzymes together.
40	enzymes, plant-derived	Yes	10/26/99	0-11	9-0-2		Allowed 95%+	Non-synthetic	205.605(a)(8)	must be derived from edible, nontoxic plants, nonpathogenic fungi, or nonpathogenic bacteria.	NOSB: from plant and fungal sources. Voted on plant and fungal enzymes together.
41	ethylene (1995 vote)	Yes	11/01/95	14-0	13-1		Allowed 95%+	Synthetic	205.605(b)(10)	allowed for postharvest ripening of tropical fruit	NOSB: Originally approved for use as a ripening agent for bananas only. Motion for a five year phase out failed 3-9-1.
42	ethylene (1999 vote)	Yes	10/26/99	11-0	8-3		Allowed	Synthetic	205.605(b)(10)	allowed for postharvest ripening of tropical fruit	NOSB recommended annotation: for post harvest ripening of tropical fruit and degreening of citrus.
43	flavors, natural	No	10/31/95				Allowed		205.605(a)(9)	nonsynthetic sources only and must not be produced using synthetic solvents and carrier systems or any artificial preservative.	NOSB adopted Addendum 14, The Use of Natural Flavors in Organic Food, on Oct 31, 95 (13-0). No specific vote to consider as non-synthetic. This addendum contains different provisions for organic or made-with-organic foods, and allows synthetic solvents other than hexane and synthetic carriers (except for propylene glycol) in the Made With Organic category.
44	glycerin	Yes	11/01/95	14-0	14-0		Allowed 95%+	Synthetic	205.605(b)(13)	produced by hydrolysis of fats and oil.	NOSB: Must be produced by hydrolysis of fats and oils.
45	gums (arabic, guar, locust bean, carob bean)	Yes	11/01/95	0-14	14-0		Allowed 95%+	Non-synthetic	205.606(b)	water extracted only	NOSB: In 6/00 comments on proposed rule, NOSB asked it be listed as agricultural, needing to be organic when available.
46	hydrogen peroxide	Yes	11/02/95	13-0	13-0		Allowed 95%+	Synthetic	205.605(b)(14)	No annotation.	NOSB: Allowed, with no annotation.
47	ionizing radiation		04/25/95				Prohibited		205.105(f)	Ionizing radiation, as described in Food and Drug Administration regulation, 21 CFR 179.26	NOSB: voted unanimously in favor of Good Manufacturing Practices, Addendum 7.

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48	iron (ferrous sulfate)	Yes	04/26/95	12-0	10-2		Allowed 95%+	Synthetic	205.605(b)(11)	for iron enrichment or fortification of foods when required by regulation or recommended (independent organization)	NOSB annotation: for iron fortification of foods that is required by regulation or for iron enrichment by professional recommendation.
49	kaolin	Yes	04/26/95	0-14	14-0		Allowed 95%+	Non-synthetic	205.605(a)(10)	No annotation.	NOSB: Allowed, with no annotation.
50	kelp	Yes	04/26/95	0-14	13-1		Allowed 95%+	Non-synthetic	205.606(c)	for use only as a thickener and dietary supplement	NOSB: Allowed for use as a thickener and dietary supplement (as defined in the CFR). In 6/00 comments on proposed rule, NOSB asked it be listed as agricultural, needing to be organic when available.
51	lactic acid	Yes	04/26/95	0-13	13-1		Allowed 95%+	Non-synthetic	205.605(a)(1)(iii)	No annotation.	NOSB annotation: prohibited if derived from microorganism that are products of recombinant DNA technology.
52	L-cysteine	Yes	03/06/01	15-0	0-15	0-15	Prohibited	Synthetic			TAP review originally prepared for 10/99 used l-cysteine as the model for amino acids in processing.
53	lecithin, bleached	Yes	04/26/95	13-0	9-4-1		Allowed 95%+	Synthetic	205.605(b)(15)	No annotation.	NOSB: Allowed, with no annotation.
54	lecithin, unbleached	Yes	04/26/95	1-12	11-2		Allowed 95%+	Non-synthetic	205.606(d)	No annotation.	NOSB: Allowed, with no annotation. In 6/00 comments on proposed rule, NOSB asked it be listed as agricultural, needing to be organic when available.
55	magnesium carbonate	Yes	09/19/96	13-0	4-9	9-4	Allowed 50%+	Synthetic	205.605(b)(16)	for use only in agricultural products labeled "made with organic (specified ingredients or food group(s))," prohibited in agricultural products labeled "organic".	NOSB: Unacceptable for use in organic foods, but acceptable for use in the food category "made with organic ingredients."
56	magnesium carbonate, non-synthetic	Yes	09/19/96	0-13			Tabled	Non-synthetic			NOSB: sent this material back to TAP for more information on impurities and
57	magnesium chloride (1995 vote)	Yes	11/01/95	14-0	13-1		Allowed 95%+	Synthetic	205.605(b)(17)	derived from sea water	NOSB annotation: Allowable only in the synthetic form if extracted from sea water. Magnesium chloride produced by synthetic processes (e.g., hydrochloric acid reaction) is not allowable. Unrefined non-synthetic magnesium chloride (nigari) is not recognized by FDA as an allowed food ingredient.

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58	magnesium chloride (1999 vote)	Yes	10/26/99				Allowed 95%+	Synthetic	205.605(b)(17)	derived from sea water	NOSB voted 11-0 to change the recommended annotation to "allowed only if derived from sea water" but did not re-vote the synthetic status. All food grade magnesium chloride (including nigari) that is seawater extracted is permitted.
59	magnesium silicate	Yes	04/26/95	12-0-2	0-14	0-14	Prohibited	Synthetic			NOSB: noted concerns about asbestos.
60	magnesium stearate	Yes	11/01/95	14-0	4-9-1	12-2	Allowed 50%+	Synthetic	205.605(b)(18)	for use only in agricultural products labeled "made with organic (specified ingredients or food group(s))," prohibited in agricultural products labeled "organic".	NOSB: Unacceptable for use in organic foods, but acceptable for use in the food category "made with organic ingredients."
61	magnesium sulfate	Yes	04/26/95	0-14	12-1-1		Allowed 95%+	Non-synthetic	205.605(a)(11)	non-synthetic sources only	NOSB: The synthetic form of this substance is to be reviewed at a later date by the Processing Committee.
62	malted barley (non-	Yes	09/19/96	0-13	5-8		Prohibited	Non-synthetic			NOSB: Permitted from an organic source only.
63	mono- & di-glycerides	Yes	04/26/95	13-0	9-4		Allowed 95%+	Synthetic	205.605(b)(12)	for use only in drum drying of food	NOSB: For use in drum drying of food only.
64	morpholine	Yes					Deferred 3/06/01				
65	nisin	Yes	11/01/95	10-3	0-13	0-13	Not allowed	Synthetic			
66	nitrogen	Yes	04/26/95	0-14	14-0		Allowed 95%+	Non-synthetic	205.605(a)(12)	oil-free grades	NOSB annotation: Oil-free grades, from non-oil sources.
67	nutrient minerals	Yes	10/31/95	14-0	10-4		Allowed 95%+	Synthetic	205.605(b)(19)	in accordance with 21CFR 104.20, Nutritional Quality Guidelines for Foods.	NOSB:voted to list nutrient vitamins and minerals (one vote) with following annotation: Accepted for use in organic foods for enrichment or fortification when required by regulation or recommended by an independent professional organization. NOSB also voted 12-1 to support Addendum 13. Minutes state "(the processing committee is) not recommending that vitamins and minerals for human consumption be exempted from the National List process."

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68	nutrient vitamins	Yes	10/31/95	14-0	10-4		Allowed 95%+	Synthetic	205.605(b)(19)	in accordance with 21CFR 104.20, Nutritional Quality Guidelines for Foods.	NOSB:voted to list nutrient vitamins and minerals (one vote) with following annotation: Accepted for use in organic foods for enrichment or fortification when required by regulation or recommended by an independent professional organization. NOSB also voted 12-1 to support Addendum 13. Minutes state "(the processing committee is) not recommending that vitamins and minerals for human consumption be exempted from the National List process."
69	octadecylamine	Yes					Deferred 3/06/01				
70	oxygen	Yes	04/26/95	14-0	14-0		Allowed 95%+	Non-synthetic	205.605(a)(13)	oil free grades	NOSB annotation: Oil-free grades, from non-oil sources.
71	ozone	Yes	11/01/95	14-0	14-0		Allowed 95%+	Synthetic	205.605(b)(20)	No annotation.	NOSB: Allowed, with no annotation.
72	pectin, high-methoxy (HM)	Yes	04/26/95	2-10-2	14-0		Allowed 95%+	Non-synthetic	205.606(e)	No annotation.	NOSB: recommended to allow in 1995, and in 6/00 comments on proposed rule, asked it be listed as agricultural, needing to be organic when available.
73	pectin, low-methoxy (LM)	Yes	04/26/95	14-0	13-1		Allowed 95%+	Synthetic	205.605(b)(21)	No annotation.	NOSB: Allowed, with no annotation.
74	peracetic acid	Yes	11/16/00	14-0	13-0-1		Allowed 95%+	Synthetic	not yet added		NOSB annotation: Allowed for direct food contact only in wash and/or rinse water. Allowed as a sanitizer on surfaces in contact with organic food.
75	perlite	Yes	09/19/96	2-9-1	12-1		Allowed 95%+	Non-synthetic	205.605(a)(14)	for use only as a filter aid in food processing	NOSB: Allowed as a filter aid in food processing.
76	phosphoric acid	Yes	10/26/99	10-0	10-0		Allowed 95%+	Synthetic	205.605(b)(22)	cleaning of food-contact surfaces and equipment only	NOSB: For cleaning food contact surfaces and equipment.
77	potassium acid tartrate	Yes	11/01/95	13-0	12-1		Allowed 95%+	Synthetic	205.605(b)(23) 205.605(b)(24)	No annotation.	NOP also lists 205.605(b)(24) "Potassium Tartrate made from tartaric acid." Potassium acid tartrate was also called "Potassium Tartrate made from tartaric acid" in the 11/95 minutes. An NOSB proposed annotation "Shall be derived from tartaric acid derived from grapes" failed, and there is no annotation for this material.

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78	potassium carbonate	Yes	04/26/95	12-0	11-1		Allowed 95%+	Synthetic	205.605(b)(25)	No annotation.	NOSB annotation: Potassium carbonate is allowed only for FDA-approved applications where natural sodium carbonate is not an acceptable substitute. Voted and approved 12-0-2.
79	potassium chloride	Yes	04/26/95	0-14	11-3		Allowed 95%+	Non-synthetic	205.605(a)(15)	No annotation.	NOSB: Allowed, with no annotation.
80	potassium citrate	Yes	04/26/95	13-0	10-3		Allowed 95%+	Synthetic	205.605(b)(26)	No annotation.	NOSB: Allowed, with no annotation.
81	potassium hydroxide	Yes	11/01/95	10-0	9-2-1		Allowed 95%+	Synthetic	205.605(b)(27)	prohibited for use in lye peeling of fruits and vegetables	NOSB annotation: prohibited for use in lye peeling of fruits and vegetables and where non-synthetic sodium carbonate is an acceptable substitute.
82	potassium iodide	Yes	04/26/95	0-14	13-0-1		Allowed 95%+	Non-synthetic	205.605(a)(16)	No annotation.	NOSB: Non-synthetic sources from brine. (Recorded in 1997 summary of votes, missing from minutes.)
83	potassium iodide	Yes	04/26/95	14-0	7-7	10-3-1	Allowed 50%+	Synthetic	205.605(b)(28)	for use only in agricultural products labeled "made with organic (specified ingredients or food group(s))," prohibited in agricultural products labeled "organic".	Synthetic sources are derived from a reaction between hydrogen iodide and potassium bicarbonate. (Recorded in 97 summary of votes, missing from minutes)
84	potassium phosphate	Yes	04/26/95	14-0	7-7	10-3	Allowed 50%+	Synthetic	205.605(b)(29)	for use only in agricultural products labeled "made with organic (specified ingredients or food group(s))," prohibited in agricultural products labeled "organic".	NOSB: Unacceptable for use in organic foods but acceptable for use in the food category "made with organic ingredients."
85	shellac	Yes	10/26/99	11-0	0-11	0-11	Not allowed	Synthetic			NOSB: Included in TAP review for waxes.
86	silica, colloidal	Yes	11/01/95	12-0	1-11	3-9	Not allowed	Synthetic			There may be some confusion about the actual identity of this substance. Silicon dioxide was approved and is also known as Synthetic Amorphous Silica (Food Chemicals Codex 3rd Ed.), INS #551. Colloidal (also called fumed) silica is considered an anhydrous form of silicon dioxide produced by a vapor phase hydrolysis process. Wet process forms of silicon dioxide include precipitated silica, silica gel, and hydrous silica.
87	silicon dioxide	Yes	09/19/96	13-0	10-3		Allowed 95%+	Synthetic	205.605(b)(30)	No annotation.	NOSB: Allowed, with no annotation.

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88	sodium bicarbonate	Yes	04/26/95	0-14	14-0		Allowed 95%+	Non-synthetic	205.605(a)(17)	No annotation.	NOSB: included sodium carbonates and bicarbonates in one vote.
89	sodium carbonate	Yes	04/26/95	0-14	14-0		Allowed 95%+	Non-synthetic	205.605(a)(18)	No annotation.	NOSB: included sodium carbonates and bicarbonates in one vote.
90	sodium citrate	Yes	04/26/95	14-0	13-1		Allowed 95%+	Synthetic	205.605(b)(31)	No annotation.	NOSB: Allowed, with no annotation.
91	sodium hydroxide	Yes	04/26/95	12-2	10-4		Allowed 95%+	Synthetic	205.605(b)(32)	prohibited for use in lye peeling of fruits and vegetables	NOSB: Prohibited for use in lye peeling of fruits and vegetables and where natural sodium bicarbonate is an acceptable substitute.
92	sodium phosphates	Yes	11/01/95	14-0	12-2		Allowed 95%+	Synthetic	205.605(b)(33)	for use only in dairy foods	NOSB: An annotation limiting its use to boiler water additives failed, then a second motion passed for annotation "Use restricted to dairy foods."
93	sodium tartrate	Yes	11/01/95	13-0	8-2-3	0-13	Prohibited	Synthetic			Discussion: noted that citric acid is a suitable non-synthetic alternative for this material. It was also pointed out that this material is used extensively in wine production.
94	sorbic acid	Yes	11/01/95	14-0	0-14	0-14	Prohibited	Synthetic			
95	starch, non-modified	No					Tabled 11/01/95				NOSB: Motion to request a TAP review supported 12-0.
96	sulfur dioxide	Yes	4/26/95	8-6	11-3		Allowed in 70%+	Synthetic	205.605(b)(34)	for use only in wine labeled" made with organic grapes." <i>Provided</i> , That, total sulfite concentration does not exceed 100ppm.	NOSB original annotation 1995: Sulfur dioxide may not be added to wine at levels greater than 100 ppm; the level of free sulfites may not exceed 35 ppm in the final product. This was amended in March 1998, "Sulfur dioxide is allowed only for use in production of wine that is labeled 'made with organically grown grapes.'" Stated in the processing committee report, and included in adopted recommendations to the Sec. on first proposed rule.
97	sulfuric acid	Yes	09/19/96	13-0	0-13	0-13	Prohibited	Synthetic			
98	tartaric acid (made from grape wine)	Yes	11/01/95	0-13	13-0		Allowed 95%+	Non-synthetic			NOT on 12-21-2000 National List.
99		Yes	11/01/95	13-0	10-4		Allowed 95%+	Synthetic			NOT on 12-21-2000 National List.
100	tocopherols	Yes	11/01/95	13-1	12-2		Allowed 95%+	Synthetic	205.605(b)(35)	derived from vegetable oil when rosemary extracts are not a suitable alternative.	NOSB: Must be derived from vegetable oils when rosemary extracts are not a suitable alternative.
101	volcanic clay	No					Tabled 09/19/96				See Clay, Various

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102	waxes, fruit (1999 vote)	Yes	10/26/99								See ammonium soap, beeswax, and shellac.
103	waxes, fruit (animal waxes)	Yes					Tabled 09/19/96				NOSB: Sent back to the materials committee because of a lack of specific information. See shellac.
104	waxes, fruit (plant derived)	Yes	09/19/96	2-10			Allowed 95%+	Non-synthetic	205.605(a)(19) (i) carnauba wax (ii) wood resin		NOSB: Restricted to carnauba and wood-resin. Originally voted as a crops material, with a decision not to list as a prohibited natural, 7 aye / 4 opposed / 1 abstention / 1 absent.
105	whey protein (non-organic)	Yes	09/19/96	0-12	5-8	8-5	Prohibited	Non-synthetic			NOSB: Permitted from an organic source only.
106	xanthan gum	Yes	04/26/95	14-0	12-2		Allowed 95%+	Synthetic	205.605(b)(36)	No annotation.	NOSB: Allowed, with no annotation.
107	yeast autolysate	Yes	11/01/95	0-13-1	13-1		Allowed 95%+	Non-synthetic	205.605(a)(20) (i)	nonsynthetic, growth on petrochemical substrate and sulfite waste liquor is prohibited	NOSB: Yeast (used for source) that is a product of rDNA technology is prohibited.
108	yeast, bakers	Yes	11/01/95	0-13-1	12-1-1		Allowed 95%+	Non-synthetic	205.605(a)(20) (ii)	nonsynthetic, growth on petrochemical substrate and sulfite waste liquor is prohibited	NOSB: Yeast (used for source) that is a product of rDNA technology is prohibited.
109	yeast, brewers	Yes	11/01/95	0-12-2	14-0		Allowed 95%+	Non-synthetic	205.605(a)(20) (iii)	nonsynthetic, growth on petrochemical substrate and sulfite waste liquor is prohibited	NOSB: Yeast (used for source) that is a product of rDNA technology is prohibited.
110	yeast, nutritional	Yes	11/01/95	0-14	13-1		Allowed 95%+	Non-synthetic	205.605(a)(20) (iv)	nonsynthetic, growth on petrochemical substrate and sulfite waste liquor is prohibited	NOSB: Yeast (used for source) that is a product of rDNA technology is prohibited. Growth on petrochemical substrates and sulfite waste liquor is also prohibited.
111	yeast, smoked	Yes	11/01/95	0-13-1	11-3		Allowed 95%+	Non-synthetic	205.605(a)(20) (v)	nonsynthetic, growth on petrochemical substrate and sulfite waste liquor is prohibited. Nonsynthetic smoke flavoring process must be documented.	NOSB Annotation: Yeast (used for source) that is a product of rDNA technology is prohibited. Growth on petrochemical substrates and sulfite waste liquor is also prohibited. The handler must document in the Organic Handling Plan that the smoke flavoring used is produced using a non-synthetic process that does not use synthetic processing aids or additives.