

Natural Toxins – Validated and/or Verified Commodities, November 2025



Veratox[®]

Aflatoxin – 700002479			Aflatoxin HS – 700002480		DON – 700002531/700002534		
Alfalfa hay	Corn/soy blend	Pecans	Barley	Rice hulls	Alfalfa	Hay	Water, backset/recycled*
Alfalfa meal	Cornmeal	Pet food*	Beet pulp*	Soy flour	Barley	Haylage	Wheat
Alfalfa pellets	Cottonseed•	Pine nuts	Chili powder	Soy germ meal	Barley, lightly pearled	Kamut (khorasan wheat)	Wheat, waxy
Almonds	Cottonseed meal	Pistachio nuts	Coconut	Wheat	Barley, malted*	Lentils	Wheat bran
Amaranth	Cottonseed meal, ammoniated*	Popcorn	Copra	Wheat midds	Barley flour	Lentils, red	Wheat bran aleurone
Barley	DDGS ¹	Poppy seeds	Corn		Barley flour, malted	Millet	Wheat flour
Barley, lightly pearled	DDGS syrup*	Potato, with skin, powder*	Corn, ammoniated		Barley silage	Milo (grain sorghum)	Wheat flour, 2 nd clear
Barley flour	DDGS wet cake*	Potato, white	Corn bran		Beans, fava	Oat fiber	Wheat germ
Barley flour, malted	Figs	Potato starch	Corn germ meal		Beet pulp*	Oat flour	Wheat middlings
Beans, black*	Flaxseed meal	Pumpkin seeds	Corn gluten meal		Canary seed	Oat hulls*	
Beans, fava	Flour, raw	Quinoa	Corn grits		Canola*	Oats ¹	
Beans, kidney	Hazelnuts	Rice	Corn starch		Canola meal	Pea fiber	
Beet pulp*	Hemp seed	Rice, milled	Corn/soy blend		Chickpeas	Pea flour	
Brazil nuts	Hominy	Rice bran	Cornmeal		Corn	Peas, green and yellow	
Calcium carbonate	Kamut (khorasan wheat)	Rice gluten	Cottonseed meal		Corn bran	Pet food*	
Canary seeds	Lentils	Rice hulls	DDGS (special procedure)		Corn cob*	Popcorn	
Canola*	Macadamia nuts	Rye, raw	Figs		Corn germ meal*	Poppy seeds	
Canola meal	Millet	Rye flour	Flax meal, brown		Corn gluten feed*	Potato, white	
Cashews	Milo (grain sorghum)	Sesame seeds	Flax meal, yellow		Corn gluten meal*	Potato, with skin, powder*	
Chickpeas	Nutmeg	Sorghum (grain)	Flaxseed meal		Corn grits	Pumpkin seeds	
Choline chloride	Oat fiber	Soy flour	Hominy		Corn oil	Quinoa	
Citric pulp	Oat flour	Soy germ meal	Kamut (khorasan wheat)		Corn screenings	Rice	
Coconut	Oat hulls*	Soy hydrolysate	Lentils		Corn silage	Rice, rough	
Copra	Oats	Soy natto	Milo (grain sorghum)		Corn starch	Rice gluten	
Corn	Oats, naked	Soy pellet	Oat fiber		Corn steep ²	Rice hulls	
Corn, ammoniated	Oats, rolled	Soybean meal	Paprika		Corn/soy blend	Rye, raw	
Corn bran*	Pea fiber	Soybeans	Peanut butter		Cornmeal	Rye flour	
Corn germ meal	Pea flour	Sunflower meal	Peanut hulls		Cottonseed	Soy flour	
Corn gluten meal*	Peas, green	Sunflower seeds	Peanut meal		DDGS*	Soy hydrolysate	
Corn grits	Peas, yellow	Tapioca	Peanuts, raw or roasted		DDGS syrup*	Soybean meal	
Corn oil	Peanut hulls	Walnuts	Pet food*		DDGS wet cake*	Sunflower meal	
Corn silage	Peanut meal	Wheat	Popcorn		Flaxseed, brown	Sunflower seeds	
Corn starch	Peanuts, honey roasted	Wheat bran aleurone	Quinoa		Flaxseed, golden	Tapioca	
Corn steep*	Peanuts, raw or roasted	Wheat flour, 2 nd clear	Rice		Flaxseed meal	Triticale	
Corn syrup	Peanuts, salted	Wheat midds	Rice bran		Flour, raw	TMR	

¹ = Extract, pH adjust, centrifuge for three minutes at 5,000 rpm

• = Cottonseed samples should be decorticated

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Veratox

Fumonisin — 700002619/700002620		Zearalenone — 700002513		Ochratoxin — 700002609		Ochratoxin Grain — 700002610	T-2/HT-2 — 700002525
Barley	Soybean meal	Barley	Sesame	Apricots	1:4 Extraction in 70%	Barley	Barley
Beet pulp*	Soybeans	Canola*	Soy pellets	Black chia	MEOH — Five-minute Shake	Beans, navy	Corn
Corn	Sunflower meal	Canola meal*	Soybean	Cascara	Barley	Buckwheat	Corn flour
Corn germ meal*	Wheat	Corn	Soybean hulls	Coffee, green	Oat	Corn	Corn gluten meal
Corn steep ²	Wheat bran	Corn gluten meal*	Soybean meal	Corn	Wheat	Corn gluten meal	Corn steep ¹
Corn syrup	*Blending extraction	Corn silage	Sunflower seeds	Dates	1:4 Extraction in 70%	Kamut (khorasan wheat)	DDGS wet cake*
Corn/soy blend	Sunflower seeds, black*	Corn syrup	Tapioca	Figs	MEOH — Two-minute Blend	Millet	Kamut (khorasan wheat)
Cornmeal	2x Correction Factor	Cottonseed	Wheat	Kiwicha	Rice flour	Oat	Lentils, red
Cottonseed	Corn gluten meal*	DDGS*	Wheat bran*	Oat fiber*	Rice gluten	Peas, green	Oat hulls, whole*
DDGS*		DDGS wet cake		Oat flour	Rice hulls	Peas, yellow	Oats
DDGS wet cake*		Kamut (khorasan wheat)		Pea fiber	Potato, white	Rye	Peas, green and yellow
Kamut (khorasan wheat)		Oat flour		Peas, green	Tapioca	Sorghum	Pea fiber
Millet		Oat hulls*		Peas, yellow		Wheat	Pearled barley
Milo (grain sorghum)		Oats		Popcorn			Potato, white
Oat hulls*		Oats, naked		Poppy seeds			Rice, brown
Oats		Oats, rolled		Pumpkin seeds			Rice flour, white
Oats, naked		Pea fiber		Quinoa			Rice gluten
Pea fiber		Pet food*		Raisins			Rice hulls
Pet food*		Popcorn		Rice			Rye
Popcorn		Potato		Rye			Soy
Potato, white		Rice		Soy hydrolysate			Soybean meal
Rice, rough		Rice, brown		Soybean meal			Soybean hulls
Rice gluten		Rice flour, white		Soybeans			Tapioca
Rice hulls		Rice hulls		Sunflower meal			Wheat
Rye		Rye		Wheat bran*			Wheat bran*
Soy hydrolysate							Wheat flour

Veratox MAX

Total Aflatoxin — 700002483		Total Aflatoxin HS — 700002482		Zearalenone — 700002514	
Barley, lightly pearled	DDGS	Rye	Corn	Corn	Soybean
Corn	Peanuts, raw	Soybean		Oat flour	Wheat
Corn gluten meal	Peanuts, roasted	Soybean meal		Popcorn	
Cornmeal	Popcorn	Wheat		Rice flour	

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Reveal® Q+

Aflatoxin — 700002497			DON — 700002539		
1:3 Extraction	Cottonseed pellets	Rice, brewer's	1:5 Extraction	Linseed, brown	Triticale
Beans, pinto	Cracked corn	Rice, broken	Oat flour*	Millet	Wheat
DDGS	Dehydrated potato flakes	Rice, brown	Water, heavy steep*	Oat fiber	Wheat, red spring*
DDGS wet cake	Flax oil	Rice, rough	1:8 Extraction	Oat groats	Wheat, waxy
Oat fiber	Flaxseed	Rice bran	Yeast, brewer's	Oatmeal	Wheat bran
Peanut paste	Glutinous rice flour	Rice bran, defatted	1:9 Extraction	Oats	Wheat flour
Peanuts, roasted/salted	Grain distiller's dried yeast*	Rice flour	Linseed, gold*	Oats, rolled	Wheat flour, red dog
Pecan hulls	Heavy steep water*	Rice hulls	1:10 Extraction	Pea fiber	Wheat germ
1:4 Extraction	Hemp seed	Rye grain	Alfalfa	Pea flour	Wheat midds
Corn gluten feed	Hominy	Rye, whole*	Barley	Pea protein	Wheat starch
1:5 Extraction	Kiwicha	Semolina flour	Barley, malted	Pea starch	
Alfalfa	Lentils	Sesame	Barley, malted, black	Peas	
Almonds, raw	Lentil fiber	Sesame, white	Barley, pearled	Peas, dried	
Beet powder	Linseed, brown (LOD 10 ppb)	Sorghum/milo	Beans, fava	Peas, yellow	
Beans, black	Linseed, gold	Soy hulls	Beans, navy	Pet food, canned	
Beans, carioca	Macadamia nuts	Soy pellet	Beans, pinto	Potato protein	
Beans, navy	Millet, red	Soy protein concentrate*	Beet pulp	Quinoa	
Buckwheat	Millet, white	Soybean oil	Blueberries, dried	Rapeseed	
Buckwheat groats*	Oats	Sunflower butter	Buckwheat	Rice, brewer's	
Cashews	Oats, rolled	Sunflower nuggets	Buckwheat groats*	Rice, broken	
Cashew butter	Oat flour	Sunflower seeds	Canary seed	Rice, brown	
Cassava flour	Oat groats	Sunflower seeds, black	Chickpea fiber	Rice bran, defatted	
Chia, black	Peas, dried	Sweet potato pellets	Corn gluten feed*	Rice flour	
Chia seed*	Peas, green and yellow	Sweet potato powder	Corn gluten meal*	Rice, rough	
Chickpeas	Pea fiber	Wheat	Corn ¹	Rye, whole*	
Chickpea fiber	Pea flour	Wheat germ oil	Corn oil*	Safflower	
Coconut	Pea protein*	Wheat midds	Corn silage*	Sesame, white	
Corn	Pea starch	Wheat starch	DDGS ¹ *	Sorghum/milo	
Corn flaking grits	Peanut butter	1:6 Extraction	DDGS syrup*	Soybean	
Corn germ meal	Peanut hulls	Almond butter	DDGS wet cake*	Soybean meal	
Corn gluten meal*	Peanut hull pellets	Flaxseed, brown	Flaxseed*	Soy flour	
Corn screenings	Pearled barley	Kernza	Grass silage*	Soy hulls	
Corn silage*	Pistachios, raw	Soy flour	Haylage*	Spelt	
Corn starch	Popcorn	Soybean meal*	Hominy*	Sunflower nugget	
Corn steep*	Potato powder	Trictacle*	Kamut (khorasan wheat)	Sunflower meal*	
Corn/soy blend	Potato starch	75% Ethanol Extraction	Kernza	Sunflower seeds	
Cornmeal	Quinoa	Peanut pellets	Kiwicha	Sweet potato pellets	
Cottonseed	Rapeseed		Lentil fiber	Sweet potato powder	
Cottonseed, loose	Rice		Lentils	Timothy hay pellets	

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Reveal Q+

Fumonisin — 700002625		Zearalenone — 700002515		T-2/HT-2 — 700002527	Ochratoxin — 700002612
1:3 Extraction	Canola meal	1:3 Extraction, Curve 1	Rice, rough	1:7 Extraction	1:3 Extraction
Beans, navy	Chia seeds	Corn	Rye grain	Lentils, green	Chickpeas
Corn protein concentrate	Chickpeas	DDGS	Soy flour	1:9 Extraction	DDGS* (LOD 10 ppm)
Lentil fiber	Condensed distillers solubles	1:3 Extraction, Curve 2	Soy hulls	Lentils, red	1:4 Extraction
Milo/sorghum	Corn	Beans, navy	Soy protein concentrate	Millet	Barley
Oat fiber	Corn, flaked	Chia seeds	Soybean	Oat, groats	Beans, pinto
Rice, brewer's	Corn cobs	Corn, purple	Soybean meal	1:10 Extraction	Buckwheat
Rice, parboiled	Corn gluten feed*	Lentils, green	Sunflower seeds	Barley	Canola
Rice bran, brown	Corn grits	Oats	Wheat	Beans, navy	Chia seeds
Rice hulls	Corn oil	Oat groats	Wheat flour	Beans, pinto	Chickpea fiber
Sorghum	Cornmeal	Pea protein	Wheat grass	Chickpeas	Corn
Soy hulls	Kernza	Rice flour, glutinous	1:6 Extraction, Curve 1, Multiply x2	Chickpea fiber	Corn oil (pH adjust)
1:4 Extraction	Lentils, green and red	Wheat starch	Corn gluten meal*	Corn	Corn silage*
Barley	Millet, golden German	1:4 Extraction, Curve 2		Corn silage	Flaxseed*
Beet pulp	Oatmeal	Millet		DDGS*	Grass silage*
Cassava	Pea fiber	1:5 Extraction, Curve 1, Multiply x1.1		DDGS syrup*	Kamut (khorasan wheat)
Chickpeas	Pea starch	Beet pulp		DDGS wet cake*	Lentils, red
DDGS*	Peanuts, blanched	1:5 Extraction, Curve 2		Grass silage	Linseed*
DDGS syrup*	Peas, green and yellow	Alfalfa		Lentil fiber	Linseed, brown
DDGS wet cake*	Potato flakes, dehydrated	Barley		Milo (grain sorghum)	Linseed, gold
Flaxseed	Rice, broken	Beans, pinto		Oats	Millet, in shell
Hominy	Rice bran	Canola meal		Pea fiber	Milo/sorghum
Millet	Rice flour, brown	Chickpeas		Pea protein	Oat groats
Oat flakes	Soy protein concentrate*	Lentils, red		Pea starch	Oats
Oat flour*	Soybean meal*	Milo/sorghum		Peas, green and yellow	Peas*
Oat groats	Sunflower meal	Oat fiber		Rice	Peas, green and yellow
Oats	Wheat	Oat flour		Rice bran flour	Pea fiber
Rice, rough	Wheat flour	Oats, rolled		Wheat	Pea starch
Wheat bran	1:6 Extraction	Pea fiber		2x Correction	Quinoa
Wheat midds	Yeast, brewer's	Pea starch		Beet pulp pellets	Rice*
Soybeans	Corn gluten meal*			1:20 Extraction	Soybean meal
1:5 Extraction				Soy hulls	Triticale
Alfalfa					Wheat
Barley, cracked curled					1:6 Extraction
Beans, pinto					Soy hulls

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Reveal Q+ MAX

Aflatoxin — 700002499			DON — 700002541	
1:3 Extraction	Corn silage	1:7 Extraction	1:4 Extraction	Magnesium proteinate
Corn gluten meal	Cornmeal	Barley, cracked curled	Condensed distillers solubles	Oatmeal
Corn screenings	Cottonseed	Corn oil	Flaxseed	Oats
Magnesium proteinate	Cottonseed meal	Kernza	Germ paste	Oats, white
Pecans	DDGS syrup	Lentils	Oat flakes	Oats, whole
Potato, sweet	Grass silage**	Oat groats	Oat groats	Palm kernel
Wheat gluten	Hominy	Pea protein	Sorghum	Pea fiber
1:3 Extraction, 1.6x Correction Factor	Oats	Peas	1:5 Extraction	Pea starch
DDGS	Pistachio nuts	1:8 Extraction	Alfalfa	Pea protein
Rice bran powder	Popcorn	Brazil nuts	Barley	Peanuts, blanched*
1:4 Extraction	Rice flour, brown	Chia seeds, black	Barley, cracked curled	Peas
Canola meal	Rice, brown	Corn starch	Barley, malted	Peas, yellow
Pine nuts	Rice, milled	Hazelnuts	Beans, navy	Quinoa
Soybean meal	Sorghum	Pea fiber	Beans, pinto	Rice, brown
Wheat midds	Water, heavy steep	Pea starch	Bread crumbs	Rice, rough*
1:5 Extraction	Wheat	Pumpkin seeds, Mexican	Buckwheat	Rice hulls
Barley, cut**	Wheat flakes, red**	Rice, brewer's	Canola meal	Rye
Barley, dehulled	1:6 Extraction	Rice, white	Cassava	Sorghum flour
Barley, lightly pearled	Almond, raw	Sunflower kernels	Chia seed ²	Soy hulls
Barley, malted	Almond, roasted	1:9 Extaction	Chickpeas	Soybeans
Barley, whole	Almond, salted	Semolina flour	Corn	Soybean meal
Beans, black	Corn, flaked	1:10 Extaction	Corn, flaked	Timothy hay pellets
Beans, carioca	Millet	Beans, navy	Corn bran	Wheat
Beans, pinto	Millet, golden German	Coconut oil	Corn cobs	Wheat bran
Cashew nuts	Peanuts	Macadamia nuts	Corn germ	Wheat flour
Cassava	Peanut butter	Quinoa, white	Corn gluten feed	Wheat grass powder
Chickpea fiber	Peanut meal	Sesame seeds, hulled	Corn gluten meal	Wheat midds
Condensed distillers solubles	Peanut paste	1:10 Extaction + 2 MAX packs	Corn husk	1:7 Extraction
Corn	Pumpkin seeds, Chinese	Chickpeas	Corn oil DDGS	Rice flour, brown
Corn, purple	Sesame seeds, natural*	Grass silage**	Corn starch	
Corn cobs	Walnuts, glazed		Kernza	
Corn germ	Walnuts, raw		Lentils, green	
Corn grits, flaking			Lentils, red	

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Reveal Q+ MAX

Ochratoxin — 700002614		Zearalenone — 700002516		T-2/HT-2 — 700002528	
Test Method 3 in Insert	Buckwheat	1:3 Extraction, Curve 1	Beans, pinto	1:2 Extraction	Lentils, green
Barley	Chickpea fiber (must centrifuge)	Alfalfa (LOD 250)	Chickpeas	Corn gluten meal ¹	Lentils, red
Beans, black	Coconut oil	Rice bran (LOD 62.5)	Lentils, green	1:3 Extraction	Magnesium proteinate
1:3 Extraction, Curve 1	Corn germ	1:3 Extraction, Curve 1,	Lentils, red	Alfalfa	Stevia, leaf
Ginger root	Corn starch	1.5x Correction Factor	Oat groats	Chia seed	Stevia, liquid
Hemp	Germ paste	Corn gluten meal	Peas, yellow	Quinoa	Stevia, powder
Peas, yellow	Gluten	1:4 Extraction, Curve 1	Rice, brown	1:4 Extraction	Oats
Pulp kernel	Millet	Barley, cracked curled	Rice hulls	Beans, navy	Oats, white
1:4 Extraction with Centrifugation	Pea starch	Palm kernel	Sorghum	Corn starch	Pea starch
Coffee, green	Rice	Pea protein	Soybean meal	Flaxseed	Pea protein
Oat groats	Sorghum	1:5 Extraction, Curve 1	1:5 Extraction, Curve 2	Millet	Peas, yellow
Oats	Starch	Barley	Corn	Oat fiber	Peas, green (LOD 125 ppb)
1:4 Extraction, Curve 1	Wheat	Corn cobs	Magnesium proteinate	Oat groats	Rice, brown*
Barley	Wheat midds	Corn silage	1:6 Extraction, Curve 1	Sorghum	Rice bran
Beans, black	1:5, Curve 2	Haylage	Rice bran	Soybean meal	Rice, rough
Beans, pinto	Corn	Millet	1:7 Extraction, Curve 1	1:5 Extraction	Wheat
Lentils, green	Pea fiber	Oat fiber	Hulled Barley	Barley	1:10 Extraction, 2 MAX packets
Lentils, red	Wheat bran	Oats	Pea starch	Barley, cracked curled	Pea fiber
Peas, green	1:6 Extraction, Curve 1	Oats, white	1:8 Extraction, Curve 1	Beans, pinto	
Quinoa	Barley, cracked curled	Pea fiber	Rice, brewer's	Chickpea fiber (must centrifuge)	
1:5 Extraction, Curve 1	Chickpeas	Pearl barley	1:10 Extraction, Curve 1, 2 MAX Packets	Chickpeas	
Adzuki Bean	1:7 Extraction, Curve 1	Rice, rough	Soybeans	Corn	
Stevia, powder	Stevia, liquid	Wheat	1:11 Extraction, Curve 2	Corn cobs	
1:5, Curve 1		1:5 Extraction, Curve 1,	Stevia, liquid	Corn silage	
Beans, navy		0.5x Correction Factor		DDGS	
Black pepper		Beans, navy		Hominy	

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Natural Toxins — Validated and Verified Commodities, November 2025 Revisions

Added

Reveal Q+ MAX Aflatoxin

- Oat groats (1:7 Extraction)
- Rice bran powder (1:3 Extraction with 1.5x Correction)
- Walnuts, raw (1:6 Extraction)
- Walnuts, glazed (1:6 Extraction)

Moved

Reveal Q+ Fumonisin

- Corn gluten meal (1:6 Extraction)

Reveal Q+ MAX Zearalenone

- Alfalfa (LOD 250) (1:3 Extraction, Curve 1)
- Rice bran (LOD 62.5) (1:3 Extraction, Curve 1)
- Corn gluten meal (1:3 Extraction, Curve 1, 1.5x Correction Factor)
- Pea protein (1:4 Extraction, Curve 1)
- Millet (1:5 Extraction, Curve 1)

For the purposes of this report, the following terms are defined as follows:

Validated

Commodities validated internally on Neogen toxin methods by comparing to HPLC and/or stated MRM values. Neogen toxin methods were conducted over multiple days, multiple analysts, and multiple conditions and successfully met acceptance criteria.

Verified

Customer commodity samples successfully tested through Neogen's internal Matrix Feasibility Request (MFR) process. Verifications are small-scale experiments typically performed with a single extraction, triplicate tests per extraction, on a single day by one analyst. Samples are tested on Neogen toxin methods and compared to HPLC results (if naturally contaminated) or spiked with a known level of target (for uncontaminated samples).

Removed

Entire Document

- “Validated by USDA-GIPSA” and superscript ¹

Changed

Entire Document

- “Extract, pH adjust, centrifuge for three minutes at 5,000 rpm” and superscript ² changed to superscript ¹

Reveal Q+ MAX Zearalenone (Continued)

- The following moved (1:5 Extraction, Curve 1, 0.5x Correction Factor)
 - Beans, pinto, Beans, navy, Chickpeas/Garbanzo, Lentils, red, Lentils, green, Oat groats, Peas, yellow, Rice hulls, Sorghum, Soybean meal, Rice, Brown
- Pea starch (1:7 Extraction, Curve 1)
- Soybeans (1:10 Extraction, Curve 1, 2 MAX Packets)
- Stevia, liquid (1:11 Extraction, Curve 2)

User Responsibility

Users should review specific product instructions and information by visiting our website at neogen.com, or by contacting your local Neogen representative or authorized distributor for more information. It is the user's responsibility in selecting any test method or product to evaluate a sufficient number of samples to satisfy the user that the chosen test method meets the user's criteria. It is also the user's responsibility to determine that any test methods and results meet its customers' and suppliers' requirements.

When selecting a test method, it is important to recognize that external factors such as sampling methods, testing protocols, sample preparation, handling, laboratory technique and the sample itself may influence results. As with any test method, results obtained from use of any Neogen Food Safety product do not constitute a guarantee of the quality of the matrices or processes tested.

