

Natural Toxins — Validated and Verified Commodities, September 2025



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

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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 ²
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 ¹	DDGS ¹	Rye ¹	Corn	Corn	Soybean
Corn ¹	Peanuts, raw	Soybean ¹		Oat flour	Wheat
Corn gluten meal ¹	Peanuts, roasted	Soybean meal		Popcorn	
Cornmeal	Popcorn ¹	Wheat ¹		Rice flour	

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Reveal® Q+

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

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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	1:7 Extraction	1:3 Extraction
Beans, navy	Chia seeds	Corn ¹	Rye grain	Lentils, green	Chickpeas
Corn protein concentrate	Chickpeas	DDGS ¹	Soy flour ¹	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 ¹	Beans, navy	Soy protein concentrate	Millet	Barley
Oat fiber	Corn, flaked	Chia seeds	Soybean ¹	Oat, groats	Beans, pinto
Rice, brewer's ¹	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 ¹	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 ¹	Oat flour		Rice bran flour	Pea fiber
Rice, rough ¹	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	1:6 Extraction, 2x Correction Factor			1:20 Extraction	Soybean meal
1:5 Extraction	Corn gluten meal*			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 grits, flaking	1:7 Extraction	1:4 Extraction	Lentils, green
Corn gluten meal	Corn silage	Barley, cracked curled	Condensed distillers solubles	Lentils, red
Corn screenings	Cornmeal	Corn oil	Flaxseed	Magnesium proteinate
Magnesium proteinate	Cottonseed	Kernza	Germ paste	Oatmeal
Pecans	Cottonseed meal	Lentils	Oat flakes	Oats
Potato, sweet	DDGS syrup	Pea protein	Oat groats	Oats, white
Wheat gluten	Grass silage**	Peas	Sorghum	Oats, whole
1:3 Extraction, 1.6x Correction Factor	Hominy	1:8 Extraction	1:5 Extraction	Palm kernel
DDGS	Oats	Brazil nuts	Alfalfa	Pea fiber
1:4 Extraction	Pistachio nuts	Chia seeds, black	Barley	Pea starch
Canola meal	Popcorn ¹	Corn starch	Barley, cracked curled	Pea protein
Pine nuts	Rice flour, brown	Hazelnuts	Barley, malted	Peanuts, blanched*
Soybean meal	Rice, brown	Pea fiber	Beans, navy	Peas
Wheat midds	Rice, milled	Pea starch	Beans, pinto	Peas, yellow
1:5 Extraction	Sorghum	Pumpkin seeds, Mexican	Bread crumbs	Quinoa
Barley, cut**	Water, heavy steep	Rice, brewer's	Buckwheat	Rice, brown
Barley, dehulled	Wheat	Rice, white ¹	Canola meal	Rice, rough*
Barley, lightly pearled ¹	Wheat flakes, red**	Sunflower kernels	Cassava	Rice hulls
Barley, malted	1:6 Extraction	1:9 Extaction	Chia seed ²	Rye
Barley, whole	Almond, raw	Semolina flour	Chickpeas	Sorghum flour
Beans, black	Almond, roasted	1:10 Extaction	Corn	Soy hulls
Beans, carioca	Almond, salted	Beans, navy	Corn, flaked	Soybeans
Beans, pinto	Corn, flaked	Coconut oil	Corn bran	Soybean meal
Cashew nuts	Millet	Macadamia nuts	Corn cobs	Timothy hay pellets
Cassava	Millet, golden German	Quinoa, white	Corn germ	Wheat
Chickpea fiber	Peanuts	Sesame seeds, hulled	Corn gluten feed	Wheat bran
Condensed distillers solubles	Peanut butter	1:10 Extaction + 2 MAX packs	Corn gluten meal	Wheat flour
Corn ¹	Peanut meal	Chickpeas	Corn husk	Wheat grass powder
Corn, purple	Peanut paste	Grass silage**	Corn oil DDGS	Wheat midls
Corn cobs	Pumpkin seeds, Chinese		Corn starch	1:7 Extraction
Corn germ	Sesame seeds, natural*		Kernza	Rice flour, brown

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

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Natural Toxins — Validated and Verified Commodities, September 2025 Revisions

Added

Reveal Q+ MAX Ochratoxin

- Adzuki Bean (1:5 extraction, Curve 1)

Reveal Q+ MAX Zearalenone

- Pearl Barley (1:5 extraction, Curve 1)
- Hulled Barley (1:7 extraction, Curve 1)

Moved

Reveal Q+ Fumonisin

- Corn Gluten Meal (1:6 Extraction, 2x Correction Factor)

Reveal Q+ MAX Zearalenone

- Corn Silage (1:5 extraction, Curve 1)

Veratox T2/HT2

- Pearled Barley

Veratox Ochratoxin Grain

- Green Peas
- Yellow Peas

Veratox Fumonisin

- Corn Gluten Meal (2x Correction Factor)

Removed

Reveal Q+ Zearalenone

- Rice, Brown
- Barley, Pearled
- Rice, Brewers

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).



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.