

September 25, 2015

**Express Mail**

Theron E. Odlaug, Ph.D.  
Executive Chairman and CEO  
Antigen Laboratories, Inc.  
28-36 S. Main Street  
Liberty, Missouri 64068

Dear Dr. Odaug:

Through routine monitoring and surveillance, the Office of Compliance and Biologics Quality in the Center for Biologics Evaluation and Research of the United States Food and Drug Administration (FDA) has reviewed your website [www.antigenlab.com](http://www.antigenlab.com) as well as other information in our records concerning licensed non-standardized allergenic extracts used in the diagnosis and treatment of allergic disease. It has come to our attention that correct and consistent nomenclature is not being used, and that the proportions of non-standardized extracts used in licensed allergen mixtures are not identified. The Federal Food, Drug, and Cosmetic Act provides that a drug, including an allergenic extract, shall be deemed to be misbranded if its labeling is false or misleading in any particular (Section 502(a) Federal Food, Drug, and Cosmetic Act) [21 U.S.C. 352 (a)]. Such a product may also be misbranded if the contents are not described with adequate specificity, as required under regulation (21 CFR 610.14, 610.61, 680.1(b)) and statute [21 U.S.C. 352(c), 352(e)(1)(A)(ii)].

The use of incorrect nomenclature, or multiple descriptors for allergenic extracts derived from the same source material, can lead to mistakes in diagnosis and inappropriate treatment of allergies. For example, an adverse reaction could result if two allergenic extracts identified using inconsistent nomenclature actually contain the same allergen and are administered to the same individual. In addition, the inaccurate identification of the proportions of non-standardized extracts used to make licensed allergen mixtures can lead to mistakes in the diagnosis and inappropriate treatment of allergies. Consistent use of identifying terminology and correct identification of the proportions of each non-standardized extract used to make licensed allergen mixtures are necessary to assure that allergenic extracts are accurately labeled and not misbranded.

Reviews by external panels of data related to the safety, effectiveness, and labeling for non-standardized allergenic extracts took place in 1974-1979 and 1982-1983 and support

the use of full and accurate nomenclature. The first panel's report included the proposal that specific designations and identifiers for the source materials be used and that these appear on the product label for all allergenic extracts. The second panel reviewed the findings of the first panel and further specified that genus/species names be used to identify pollen, mold and plant extracts.

FDA formed an internal committee to review available scientific and medical data from published literature on the safety and effectiveness of non-standardized allergenic extracts. During this review, FDA determined that nomenclature was not consistently applied. For example:

- Information on specific species cannot be ascertained because some products are identified using the term “mixed<sup>1</sup>”
- Manufacturers have multiple listings in the licenses for allergenic extracts derived from the same source material
- The adoption of a different naming convention for the same source material of a specific genus and species licensed by another manufacturer
- The identity of the extract is listed by genus only, so different species may be represented across manufacturers.

This review became the basis for the nomenclature provided in this letter (see Attachments) to fully and accurately identify licensed non-standardized allergenic extracts. Technology is readily available to accurately identify the species of all source materials used for allergenic extract manufacture, so that valid nomenclature can be applied to non-standardized allergenic extracts. As described in this letter (see Attachments), FDA has provided proper identifiers for source materials that, if consistently used, would accurately identify non-standardized allergenic extracts derived from these materials.

Additionally, the identification of licensed mixtures of non-standardized allergenic extracts is ambiguous and leads to confusion and potentially inappropriate use of these extracts in the diagnosis and treatment of allergic disease. Frequently a product is identified by genus only and the species is unknown. Also, even when the component species used to manufacture the licensed allergen mixture are identified, the proportions of each non-standardized extract used to make the licensed allergen mixture are not identified. This inaccurate identification of the proportions of each non-standardized extract used in these licensed allergen mixtures also leads to confusion and potentially inappropriate treatment of allergies.

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<sup>1</sup> Under 21 CFR 610.17, licensed biological products must not be combined with other licensed biological products “either therapeutic, prophylactic or diagnostic,” except as covered by a license obtained for the combined product. All mixes of allergenic extracts, including custom mixes, must be subject of an approved biologics license application or have in effect an investigational new drug application. FDA is addressing prescription sets of allergenic extracts in separate guidance. See Draft Guidance for Industry, Mixing, Diluting, or Repackaging Biological Products Outside the Scope of an Approved Biologics License Application. <http://www.fda.gov/ucm/groups/fdagov-public/@fdagov-drugs-gen/documents/document/ucm434176.pdf>

The nomenclature identifiers provided in this letter (see Attachments) do not necessarily constitute an exhaustive list of your products used in the diagnosis and treatment of allergic disease. It is your responsibility to ensure that the labeling for all of your licensed biological products accurately identifies the products and complies with all applicable laws, regulations, and standards.

Please review the nomenclature identifiers provided in this letter (see Attachments) and notify this office, in writing, of: (1) the steps you have taken or will take to properly identify the non-standardized allergenic extracts that are not identified, or properly identify the proportions of non-standardized extracts used to make licensed allergen mixtures, or both, based on the nomenclature provided in this letter; (2) your proposed timeframes for submitting labeling supplements under 21 CFR 601.12(f)(2)(i)(E) for product labeling that needs revision; and (3) your plans to update your establishment registration and product listing information including all currently manufactured products under Section 510 of the Act [21 U.S.C. 360]. Your response should be sent to me at the following address: U.S. Food and Drug Administration, Center for Biologics Evaluation and Research, 10903 New Hampshire Avenue, WO71-5030, Silver Spring, Maryland, 20993-0002.

In addition, please identify any non-standardized allergenic extracts that you have discontinued manufacturing and have no plans to manufacture in the future. For those non-standardized allergenic extracts that you no longer manufacture or intend to manufacture, if any, we ask you to consider submitting a voluntary request that your biologics license be revoked with regard to those extracts.

If you have questions concerning this matter, you may contact me at (240)-402-9153. Additionally, you may contact Dr. Jay Slater, Director, Division of Bacterial, Parasitic, and Allergenic Products, Office of Vaccines Research and Review at (240)-402-7396.

Sincerely,

Mary A. Malarkey  
Director  
Office of Compliance and Biologics Quality  
Center for Biologics Evaluation and Research

Attachments:

Table 1 – Licensed non-standardized allergenic extracts with incorrect identifiers and recommended correct identifiers

Table 2 – Licensed non-standardized allergenic extracts with correct identifiers

cc:

Richard Russell  
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Antigen. Table 1: Licensed non-standardized allergenic extracts with incorrect identifiers and recommended correct identifiers

Current identifier	Recommended identifier	Explanation
Animal Allergens, Camel Hair Camelus sp.	Animal Allergens: Camel hair, Camelus (species to be specified)	The scientific name is ambiguous. The common name is correct.
Animal Allergens, Canary Feathers Serinus canarius	Animal Allergens: Canary feathers, Serinus canaria	The scientific name is misspelled. The common name is correct.
Animal Allergens, Cattle Hair Bos sp	Animal Allergens: Cattle hair , Bos taurus	The scientific name is ambiguous. The common name is correct.
Animal Allergens, Chicken Feathers Gallus sp.	Animal Allergens: Chicken feathers, Gallus gallus	The scientific name is ambiguous. The common name is correct.
Animal Allergens, Dog Dander Canis spp.	Animal Allergens: Dog dander, Canis lupus familiaris	The scientific name is ambiguous. The common name is correct.
Animal Allergens, Dog Hair Canis spp.	Animal Allergens: Dog hair, Canis lupus familiaris	The scientific name is ambiguous. The common name is correct.
Animal Allergens, Duck Feathers Anus platyrhynchos	Animal Allergens: Duck Feathers, Anas platyrhynchos	The scientific name is misspelled. The common name is correct.
Animal Allergens, Goose Feathers Chen spp.	Animal Allergens: Goose feathers, Chen (species to be specified)	The scientific name is ambiguous. The common name is correct.
Animal Allergens, Silk	Animal Allergens: (common name and source material to be specified), Bombyx mori	The scientific name is absent. The common name should be revised to indicate that the source material is silk worm cocoons and not processed silk material.
Food - Animal Products and Poultry Products, Beef Bos sp	Food - Animal Products and Poultry Products: Beef, Bos taurus	The scientific name is ambiguous. The common name is correct.
Food - Animal Products and Poultry Products, Chicken Meat Gallus sp.	Food - Animal Products and Poultry Products: Chicken Meat, Gallus gallus	The scientific name is ambiguous. The common name is correct.
Food - Animal Products and Poultry Products, Duck Meat Anas sp.	Food - Animal Products and Poultry Products: Duck Meat, Anas platyrhynchos	The scientific name is ambiguous. The common name is correct.
Food - Animal Products and Poultry Products, Egg, White Gallus sp.	Food - Animal Products and Poultry Products: Egg, white , Gallus gallus	The scientific name is ambiguous. The common name is correct.
Food - Animal Products and Poultry Products, Egg, Whole Gallus sp.	Food - Animal Products and Poultry Products: Egg, whole , Gallus gallus	The scientific name is ambiguous. The common name is correct.
Food - Animal Products and Poultry Products, Venison Odocoileus sp.	Food - Animal Products and Poultry Products: Venison, Odocoileus (species to be specified)	The scientific name is ambiguous. The common name is correct.
Food - Dairy Products, Lactalbumin alpha, Cow's Milk	Food - Dairy Products: Lactalbumin alpha , Bos taurus	The scientific name is absent. The common name is correct.
Food - Dairy Products, Milk, Whole Cow's	Food - Dairy Products: Milk , Bos taurus	The scientific name is absent. The common name is correct.
Food - Fish and Shellfish, Bass, Black Huro floridana	Food - Fish and Shellfish: Bass, Black, (species to be specified)	The scientific name is obsolete. The common name is presumed to be correct.
Food - Fish and Shellfish, Catfish, Bullhead Ameiurus sp.	Food - Fish and Shellfish: Catfish, Bullhead , Ameiurus, (species to be specified)	The scientific name is ambiguous. The common name is correct.
Food - Fish and Shellfish, Catfish, Channel or Blue Ictalurus catus	Food - Fish and Shellfish:(common name to be specified), (species to be specified)	The scientific and common names need to be updated. The correct scientific name for Ictalurus catus is Ameiurus catus. Blue catfish and channel catfish are two different species, neither of which is Ameiurus catus.
Food - Fish and Shellfish, Clam Mya	Food - Fish and Shellfish: Clam, Mya (species to be specified)	The scientific name is ambiguous. The common name, Mya Clam, may be correct if Mya arenaria is the species designated.
Food - Fish and Shellfish, Clam Venus	Food - Fish and Shellfish: Clam, Venus, (species to be specified)	The scientific name is absent. The common name, Venus clam, may be correct depending on the designated species.
Food - Fish and Shellfish, Codfish Gadus callarias	Food - Fish and Shellfish: Cod, Atlantic, Gadus morhua	The scientific name is obsolete. The common name is ambiguous.
Food - Fish and Shellfish, Crab Xiphosurus sowerbyi	Food - Fish and Shellfish: Crab, Horseshoe, (genus and species to be specified)	The scientific name is obsolete. The common name is correct.
Food - Fish and Shellfish, Flounder Pectinidea spp.	Food - Fish and Shellfish: Flounder, Platichthys flesus	The scientific name is incorrect (Pectinidea refers to species of scallop) and ambiguous. The common name is correct.
Food - Fish and Shellfish, Flounder Pleuronectes sp.	Food - Fish and Shellfish: Flounder, Pleuronectes (species to be specified)	The scientific name is ambiguous. The common name is correct.

Antigen. Table 1: Licensed non-standardized allergenic extracts with incorrect identifiers and recommended correct identifiers

Food - Fish and Shellfish, Halibut Hippoglossus stenolepis	Food - Fish and Shellfish: Halibut, Hippoglossus stenolepis	The scientific name is misspelled. The common name is correct.
Food - Fish and Shellfish, Herring Clupea sp.	Food - Fish and Shellfish: Herring, Clupea (species to be specified)	The scientific name is ambiguous. The common name is correct.
Food - Fish and Shellfish, Oyster Ostrea spp.	Food - Fish and Shellfish: Oyster, Ostrea (species to be specified)	The scientific name is ambiguous. The common name is correct.
Food - Fish and Shellfish, Perch, Ocean Sebastes sp.	Food - Fish and Shellfish: Perch, Ocean, Sebastes (species to be specified)	The scientific name is ambiguous. The common name is correct.
Food - Fish and Shellfish, Sardine Sardinia pilchardus	Food - Fish and Shellfish: Sardine, Sardinia pilchardus	The scientific name is misspelled. The common name is correct.
Food - Fish and Shellfish, Shrimp Penaeus sp.	Food - Fish and Shellfish: Shrimp, Penaeus (species to be specified)	The scientific name is ambiguous. The common name is correct.
Food - Fish and Shellfish, Sole Parophrys sp.	Food - Fish and Shellfish: Sole, Parophrys vetulus	The scientific name is ambiguous; there is only one species in the genus Parophrys. The common name is correct.
Food - Fish and Shellfish, Sole Psetticichthys	Food - Fish and Shellfish: Sole, Psetticichthys melanostictus	The scientific name is ambiguous; there is only one species in the genus Psetticichthys. The common name is correct.
Food - Fish and Shellfish, Trout, Lake Salmo sp.	Food - Fish and Shellfish: Trout, Salmo (species to be specified)	The scientific name is ambiguous. The common name is correct.
Food - Fish and Shellfish, Tuna Neothunnus sp.	Food - Fish and Shellfish: Tuna, Thunnus (species to be specified)	The scientific name is ambiguous. The common name is correct.
Food - Fish and Shellfish, Tuna Thunnus sp.	Food - Fish and Shellfish: Tuna, Thunnus (species to be specified)	The scientific name is ambiguous. The common name is correct.
Food - Fish and Shellfish, Lake Coregonus sp.	Food - Fish and Shellfish: Whitefish, Lake, Coregonus (species to be specified)	The scientific name is ambiguous. The common name is correct.
Food - Fish and Shellfish, Whitefish, Lake Prosopium sp.	Food - Fish and Shellfish: Whitefish, Lake, Prosopium (species to be specified)	The scientific name is ambiguous. The common name is correct.
Food - Plant Source, Allspice Pimenta officinalis	Food - Plant Source: Allspice, Pimenta dioica	The scientific name is obsolete. The common name is correct.
Food - Plant Source, Almond Prunus amygdalus	Food - Plant Source: Almond, Prunus dulcis	The scientific name is obsolete. The common name is correct.
Food - Plant Source, Apple Malus sylvestris	Food - Plant Source: Apple, Malus pumila	The scientific name is obsolete. The common name is correct.
Food - Plant Source, Banana Musa paradisiaca	Food - Plant Source: Banana, Musa (species to be specified)	The scientific name is obsolete. The common name is correct.
Food - Plant Source, Basil Ocimum basilicum	Food - Plant Source: Basil, Sweet, Ocimum basilicum	The scientific name is misspelled. The common name is correct.
Food - Plant Source, Bean, Lima Phaseolus limensis	Food - Plant Source: Bean, Lima, Phaseolus lunatus	The scientific name is obsolete. The common name is correct.
Food - Plant Source, Blackberry Rubus macropetalus	Food - Plant Source: Blackberry, California, Rubus ursinus	The scientific name is obsolete. The common name is correct.
Food - Plant Source, Broccoli Brassica botrytis (or oleracea var. botrytis)	Food - Plant Source: Broccoli, Brassica oleracea var. botrytis	The scientific name is obsolete. The common name is correct.
Food - Plant Source, Brussel Sprouts Brassica gemmifera (or oleracea var. gemmifera)	Food - Plant Source: Brussel Sprouts, Brassica oleracea var. gemmifera	The scientific name is obsolete. The common name is correct.
Food - Plant Source, Cabbage Brassica capitata (or oleracea var. capitata)	Food - Plant Source: Cabbage, Brassica oleracea var. capitata	The scientific name is obsolete. The common name is correct.
Food - Plant Source, Cantaloupe (Muskmelon) Cucumis melo	Food - Plant Source: Cantaloupe, Cucumis melo	The scientific and common names are correct. Cantaloupe is a cultivar of muskmelon (C. melo). Cantalope is a variant spelling.
Food - Plant Source, Cauliflower Brassica oleracea (or oleracea var. botrytis)	Food - Plant Source: Cauliflower, Brassica oleracea var. botrytis	The scientific name is obsolete. The common name is correct.
Food - Plant Source, Cayenne Pepper Capsicum annum	Food - Plant Source: Cayenne pepper, Capsicum annum	The scientific name is misspelled. The common name is correct.
Food - Plant Source, Cherry Bing	Food - Plant Source: Cherry, Bing, Prunus avium	The scientific name is correct. The common name, Bing Cherry, represents a cultivar of Prunus avium.
Food - Plant Source, Cinnamon Cinnamomum zeylanicum	Food - Plant Source: Cinnamon, Cinnamomum verum	The scientific name is obsolete. The common name is correct.
Food - Plant Source, Cotton Seed Gossypium sp	Food - Plant Source: Cotton Seed, Gossypium (species to be specified)	The scientific name is ambiguous. The common name is correct.



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Food - Plant Source, Currant Ribes sativum	Food - Plant Source: Currant, Ribes rubrum	The scientific name is obsolete. The common name is correct.
Food - Plant Source, Gooseberry Ribes grossularia	Food - Plant Source: Gooseberry, Ribes uva-crispa	The scientific name is obsolete. The common name is correct.
Food - Plant Source, Grape, Concord Vitis sp. (or Vitis labrusca)	Food - Plant Source: Grape, Concord, Vitis labrusca	The scientific name is ambiguous. The common name is correct.
Food - Plant Source, Grape, Reiber	Food - Plant Source: Grape, Ribier, Vitis vinifera	The scientific name is absent. The common name is misspelled.
Food - Plant Source, Grape, Tokay Vitis sp.	Food - Plant Source: Grape, Tokay, Vitis vinifera	The scientific name is ambiguous. The common name is correct.
Food - Plant Source, Grape, White Seedless Vitis sp. (or Vitis vinifera)	Food - Plant source: Grape, White, Vitis (species to be specified)	The scientific name is ambiguous. The common name is correct.
Food - Plant Source, Grapefruit Citrus paradisi	Food - Plant Source: Grapefruit, Citrus X paradisi	The scientific name is obsolete. The common name is correct.
Food - Plant Source, Hickory Nut Carya sp.	Food - Plant Source: Hickory Nut, Carya (species to be specified)	The scientific name is ambiguous. The common name is correct.
Food - Plant Source, Horse Radish Rorippa armonica	Food - Plant Source: Horseradish, Armoracia rusticana	The scientific name is obsolete. The common name is correct.
Food - Plant Source, Lemon Citrus limon	Food - Plant Source: Lemon, Citrus X limon	The scientific name is obsolete. The common name is correct.
Food - Plant Source, Lettuce, Romain Lactuca romana	Food - Plant Source: Lettuce, Romaine, Lactuca sativa	The scientific name is misspelled.
Food - Plant Source, Lime Citrus aurantifolia	Food - Plant Source: Lime, Citrus X aurantifolia	The scientific name is obsolete. The common name is correct.
Food - Plant Source, Mace Myristica fragrans	Food - Plant Source: Mace, Myristica fragrans	The scientific name is misspelled. The common name is correct.
Food - Plant Source, Malt Hordeum vulgare	Food - Plant Source: Malt (Barley), Hordeum vulgare	The scientific name is correct. The common name is ambiguous.
Food - Plant Source, Millet Setaria sp.	Food - Plant Source: Millet, Setaria (species to be specified)	The scientific name is ambiguous. The common name is correct.
Food - Plant Source, Mustard Seed Brassica spp.	Food - Plant Source: Mustard seed, Brassica (species to be specified)	The scientific name is ambiguous. The common name is correct.
Food - Plant Source, Nutmeg Myristica fragrans	Food - Plant Source: Nutmeg, Myristica fragrans	The scientific name is misspelled. The common name is correct.
Food - Plant Source, Okra Abelmoschus esculentus	Food - Plant Source: Okra, Abelmoschus esculentus	The scientific name is misspelled. The common name is correct.
Food - Plant Source, Onion Allium cepa (or cepa var. cepa)	Food - Plant Source: Onion, Allium cepa	The scientific name is ambiguous. The common name is correct.
Food - Plant Source, Orange Citrus sinensis	Food - Plant Source: Orange, Citrus X sinensis	The scientific name is obsolete. The common name is correct.
Food - Plant Source, Pea, Blackeye Vigna sinensis	Food - Plant Source: Pea, Blackeye, Vigna unguiculata	The scientific name is obsolete. The common name is correct.
Food - Plant Source, Pecan Carya illinoensis	Food - Plant Source: Pecan, Carya illinoensis	The scientific name is misspelled. The common name is correct.
Food - Plant Source, Raspberry Rubus spp	Food - Plant Source: Raspberry, Rubus (species to be specified)	The scientific name is ambiguous. The common name is correct.
Food - Plant Source, Rutabaga Brassica napobrassica	Food - Plant Source: Rutabaga, Brassica napus	The scientific name is obsolete. The common name is correct.
Food - Plant Source, Strawberry Fragaria chiloensis	Food - Plant Source: Strawberry, Fragaria X ananassa	The scientific name is incorrect. The common name is correct.
Food - Plant Source, Tomato Lycopersicon esculentum	Food - Plant Source: Tomato, Solanum lycopersicum	The scientific name is obsolete. The common name is correct.
Food - Plant Source, Vanilla Vanilla fragrans	Food - Plant Source: Vanilla, Vanilla planifolia	The scientific name is obsolete. The common name is correct.
Food - Plant Source, Watercress Rorippa nasturtium aquaticum	Food - Plant Source: Watercress, Nasturtium officinale	The scientific name is obsolete. The common name is correct.
Food - Plant Source, Wheat Flour	Food - Plant Source: Wheat flour, Triticum aestivum	The scientific name is absent. The common name is correct.
Food - Plant Source, Whole Grain Oat	Food - Plant Source: Whole grain oat, Avena sativa	The scientific name is absent. The common name is correct.
Insects (Whole Body), Cricket Acheta assimilis	Insects (Whole Body): Cricket, Acheta domesticus	The scientific name is obsolete. The common name is correct.
Insects (Whole Body), Leafhopper Cicadellidae	Insects (Whole Body): Leafhopper, Cicadellidae (species to be specified)	The scientific name is ambiguous. The common name is correct.
Insects (Whole Body), Moth Frenatae	Insects (Whole Body): Moth, (genus and species to be specified)	The scientific name is ambiguous. The common name is correct.
Molds, Rusts and Smuts, Acremonium strictum	Molds, Rusts and Smuts: Sarcocladium strictum	Scientific name is obsolete.

Antigen. Table 1: Licensed non-standardized allergenic extracts with incorrect identifiers and recommended correct identifiers

Molds, Rusts and Smuts, <i>Alternaria tenuis</i> (alternata)	Molds, Rusts and Smuts: <i>Alternaria alternata</i>	Scientific name is obsolete.
Molds, Rusts and Smuts, <i>Aspergillus amstelredami</i>	Molds, Rusts and Smuts: , <i>Aspergillus amstelodami</i>	Scientific name is misspelled.
Molds, Rusts and Smuts, <i>Aspergillus sydowii</i>	Molds, Rusts and Smuts: <i>Aspergillus sydowii</i>	Scientific name is misspelled.
Molds, Rusts and Smuts, Barley Smut, Covered Ustilago nigra	Molds, Rusts and Smuts: (common name to be specified), Ustilago avenae	Scientific name is obsolete. Common name is uncertain.
Molds, Rusts and Smuts, Barley Smut, Loose Ustilago nuda	Molds, Rusts and Smuts: (common name to be specified), Ustilago nuda	Scientific name is correct. Common name is uncertain.
Molds, Rusts and Smuts, <i>Candida</i> (Monilia) tropicalis	Molds, Rusts and Smuts: <i>Candida tropicalis</i>	Scientific name is obsolete.
Molds, Rusts and Smuts, Cane Smut, <i>Sphacelotheca sorghi</i>	Molds, Rusts and Smuts: <i>Sporisorium sorghi</i>	Scientific name is obsolete.
Molds, Rusts and Smuts, <i>Cephalosporium acremonium</i>	Molds, Rusts and Smuts: <i>Sarocladium strictum</i>	Scientific name is obsolete.
Molds, Rusts and Smuts, <i>Cephalosporium</i> spp.	Molds, Rusts and Smuts: <i>Cephalosporium</i> (species to be specified)	Scientific name is ambiguous.
Molds, Rusts and Smuts, Cephalothecium (Trichotheceum)	Molds, Rusts and Smuts: <i>Trichotheceum</i> (species to be specified)	Scientific name is ambiguous.
Molds, Rusts and Smuts, <i>Chrysosporium pruinosum</i>	Molds, Rusts and Smuts: <i>Phanerodontia chrysosporium</i>	Scientific name is obsolete.
Molds, Rusts and Smuts, <i>Cladosporium cladosporioides</i>	Molds, Rusts and Smuts: <i>Cladosporium cladosporioides</i>	Scientific name is misspelled.
Molds, Rusts and Smuts, <i>Cladosporium werneckii</i>	Molds, Rusts and Smuts: <i>Hortaea werneckii</i>	Scientific name is obsolete.
Molds, Rusts and Smuts, <i>Colletotrichum atramentarium</i>	Molds, Rusts and Smuts: <i>Colletotrichum coccoodes</i>	Scientific name is obsolete.
Molds, Rusts and Smuts, <i>Drechlera spicifera</i>	Molds, Rusts and Smuts: <i>Curvularia spicifera</i>	Scientific name is obsolete.
Molds, Rusts and Smuts, Foxtail Grass Smut Ustilago neglecta	Molds, Rusts and Smuts: (common name to be specified), <i>Macalpinomyces neglectus</i>	Scientific name is obsolete. Common name is uncertain.
Molds, Rusts and Smuts, <i>Fulvia fulva</i>	Molds, Rusts and Smuts: <i>Passalora fulva</i>	Scientific name is obsolete.
Molds, Rusts and Smuts, <i>Fusarium</i>	Molds, Rusts and Smuts: <i>Fusarium</i> (species to be specified)	Scientific name is ambiguous.
Molds, Rusts and Smuts, <i>Gliocladium</i>	Molds, Rusts and Smuts: <i>Gliocladium</i> (species to be specified)	Scientific name is ambiguous.
Molds, Rusts and Smuts; <i>Gliocladium fimbriatum</i>	Molds, Rusts and Smuts: <i>Myrothecium verrucaria</i>	Scientific name is obsolete.
Molds, Rusts and Smuts, <i>Helminthosporium</i> sp.	Molds, Rusts and Smuts: <i>Helminthosporium</i> (species to be specified)	Scientific name is ambiguous.
Molds, Rusts and Smuts, <i>Homodendrum cladosporioides</i>	Molds, Rusts and Smuts: <i>Cladosporium cladosporioides</i>	Scientific name is obsolete.
Molds, Rusts and Smuts, <i>Hypocrea rufa</i>	Molds, Rusts and Smuts: <i>Trichoderma viride</i>	Scientific name is obsolete.
Molds, Rusts and Smuts, Johnson Grass Smut <i>Sphacelotheca cruenta</i>	Molds, Rusts and Smuts: (common name to be specified), <i>Sporisorium cruentum</i>	Scientific name is obsolete. Common name is uncertain.
Molds, Rusts and Smuts, <i>Microsporium</i> (lanosum) canis	Molds, Rusts and Smuts: <i>Microsporium</i> (species to be specified)	Scientific name is ambiguous.
Molds, Rusts and Smuts, <i>Microsporium audouinii</i>	Molds, Rusts and Smuts: <i>Microsporium audouinii</i>	Scientific name is misspelled.
Molds, Rusts and Smuts, <i>Mucor lamprospora</i>	Molds, Rusts and Smuts: <i>Backusella lamprospora</i>	Scientific name is obsolete.
Molds, Rusts and Smuts, <i>Mucor rhizopodiformis</i>	Molds, Rusts and Smuts: <i>Rhizopus microsporus</i>	Scientific name is obsolete.
Molds, Rusts and Smuts, <i>Mucor rouxii</i>	Molds, Rusts and Smuts: <i>Rhizopus arrhizus</i>	Scientific name is obsolete.
Molds, Rusts and Smuts, Oat Stem Smut	Molds, Rusts and Smuts: Oat Stem Smut, (genus and species to be specified)	Scientific name is ambiguous.



Antigen. Table 1: Licensed non-standardized allergenic extracts with incorrect identifiers and recommended correct identifiers

Molds, Rusts and Smuts, Paecilomyces varioti	Molds, Rusts and Smuts: Paecilomyces variotii	Scientific name is misspelled.
Molds, Rusts and Smuts, Papularia (Aporiospora) montagnei	Molds, Rusts and Smuts: Apiospora montagnei	Scientific name is obsolete.
Molds, Rusts and Smuts, Penicillium bifforme	Molds, Rusts and Smuts: Penicillium camemberti	Scientific name is obsolete.
Molds, Rusts and Smuts, Penicillium carmino-violaceum	Molds, Rusts and Smuts: Penicillium carminoviolaceum	Scientific name is misspelled.
Molds, Rusts and Smuts, Penicillium funiculosum	Molds, Rusts and Smuts: Talaromyces funiculosus	Scientific name is obsolete.
Molds, Rusts and Smuts, Penicillium glaucum	Molds, Rusts and Smuts: Penicillium expansum	Scientific name is obsolete.
Molds, Rusts and Smuts, Penicillium glaucus	Molds, Rusts and Smuts: Penicillium expansum	Scientific name is obsolete.
Molds, Rusts and Smuts, Penicillium luteum	Molds, Rusts and Smuts: Talaromyces luteus	Scientific name is obsolete.
Molds, Rusts and Smuts, Penicillium roseum	Molds, Rusts and Smuts: Clonostachys rosea	Scientific name is obsolete.
Molds, Rusts and Smuts, Penicillium rubrum	Molds, Rusts and Smuts: Talaromyces ruber	Scientific name is obsolete.
Molds, Rusts and Smuts, Penicillium spp.	Molds, Rusts and Smuts: Penicillium (species to be specified)	Scientific name is ambiguous.
Molds, Rusts and Smuts, Penicillium vermiculatum	Molds, Rusts and Smuts: Talaromyces flavus	Scientific name is obsolete.
Molds, Rusts and Smuts, Phoma sp.	Molds, Rusts and Smuts: Phoma (species to be specified)	Scientific name is ambiguous.
Molds, Rusts and Smuts, Rhodotorula rubra	Molds, Rusts and Smuts: Rhodotorula mucilaginosa	Scientific name is obsolete.
Molds, Rusts and Smuts, Spondylocladium atrovirens	Molds, Rusts and Smuts: Helminthosporium solani	Scientific name is obsolete.
Molds, Rusts and Smuts, Stenphylium macrosporium	Molds, Rusts and Smuts: Monodictys castaneae	Scientific name is obsolete.
Molds, Rusts and Smuts, Streptomyces griseus	Molds, Rusts and Smuts: ,	Scientific name is correct, <u>but this is a bacterial extract</u> .
Molds, Rusts and Smuts, Streptomyces sp.	Molds, Rusts and Smuts: ,	Scientific name is ambiguous, <u>but this is a bacterial extract</u> .
Molds, Rusts and Smuts, Wheat Smut, Loose Ustilago tritici	Molds, Rusts and Smuts: (common name to be specified), Ustilago tritici	Scientific name is correct. Common name is uncertain.
Plants and Plant Parts, Algae, Fresh Water Spirogyra sp.	Plants and Plant Parts: Algae, Fresh Water, Spirogyra (species to be specified)	The scientific name is ambiguous and misspelled. The common name is correct.
Plants and Plant Parts, Algae, Lake Oedogoniales	Plants and Plant Parts: Algae, Lake, (genus and species to be specified)	The scientific name is ambiguous. The common name is correct.
Plants and Plant Parts, Algae, Lake Zygnematales	Plants and Plant Parts: Algae, Lake, (genus and species to be specified)	The scientific name is ambiguous. The common name is correct.
Plants and Plant Parts, Cotton Linters	Plants and Plant Parts: Cotton linters, Gossypium (species to be specified)	The scientific name is ambiguous. The common name is correct.
Plants and Plant Parts, Flaxseed or Linseed Linum usitatissimum	Plants and Plant Parts: Flax, Linum usitatissimum	The scientific name is correct. The common name is ambiguous.
Plants and Plant Parts, Gum, Acacia or Arabic Acacia senegal	Plants and Plant Parts: Gum, Arabic, Acacia senegal	The scientific name is correct. The common name is ambiguous.
Plants and Plant Parts, Gum, Karaya or Bassora Cochlospermum religiosum	Plants and Plant Parts: Gum (Karaya or Bassora), Silk-cotton Tree, Cochlospermum religiosum	The scientific name is correct. The common name is ambiguous.
Plants and Plant Parts, Jute Corchorus sp.	Plants and Plant Parts: Jute, Corchorus (species to be specified)	The scientific name is ambiguous. The common name is correct.
Plants and Plant Parts, Orris Root Iris-florentina	Plants and Plant Parts: Orris root, Iris germanica	The scientific name is obsolete. The common name is correct.
Plants and Plant Parts, Pyrethrum Chrysanthemum spp.	Plants and Plant Parts: Pyrethrum, Chrysanthemum cinerarifolium	The scientific name is ambiguous. The common name is correct.
Plants and Plant Parts, Tobacco, Leaf Pollens - Cultivated Farm Plants, Barley	Plants and Plant Parts: Tobacco, Cultivated, Leaf, Nicotiana tabacum Pollens - Cultivated Farm Plants: Barley, Hordeum vulgare	The scientific name is absent. The common name is correct. The scientific name is absent. The common name is correct.

Antigen. Table 1: Licensed non-standardized allergenic extracts with incorrect identifiers and recommended correct identifiers

Pollens - Cultivated Farm Plants, Clover, Sweet White Mellilotus alba	Pollens - Cultivated Farm Plants: Clover, Sweet, White, Mellilotus albus	The scientific name is obsolete. The common name is correct.
Pollens - Cultivated Farm Plants, Mustard, White Brassica alba	Pollens - Cultivated Farm Plants: Mustard, White, Sinapis alba	The scientific name is obsolete. The common name is correct.
Pollens - Flowers, Chrysanthemum	Pollens - Flowers: (common name to be specified), Chrysanthemum (species to be specified)	The scientific and common names are ambiguous.
Pollens - Flowers, Sunflower Helianthus spp.	Pollens - Flowers: Sunflower, Helianthus (species to be specified)	The scientific name is ambiguous. The common name is correct.
Pollens - Grasses, Barnyard Grass Echinochloa crusgalli	Pollens - Grasses: Barnyard Grass, Echinochloa crus-galli	The scientific name is obsolete. The common name is correct.
Pollens - Grasses, Oatgrass, Tall Arrhenatherum elatius	Pollens - Grasses: Oatgrass, Tall, Arrhenatherum elatius	The scientific name is misspelled. The common name is correct.
Pollens - Grasses, Quack (Couch) Grass Agropyron repens	Pollens - Grasses: Quack (Couch) Grass, Elymus repens	The scientific name is obsolete. The common name is correct.
Pollens - Grasses, Ryegrass, Alkali Elymus triticoides	Pollens - Grasses: Ryegrass, Alkali, Elymus triticoides	The scientific name is obsolete. The common name is correct.
Pollens - Grasses, Ryegrass, Giant Wild Elymus condensatus (cinereus)	Pollens - Grasses: Ryegrass, Giant Wild, Elymus condensatus	The scientific name is obsolete. The common name is correct.
Pollens - Grasses, Saltgrass Distichlis sp.	Pollens - Grasses: Saltgrass, Distichlis (species to be specified)	The scientific name is ambiguous. The common name is correct.
Pollens - Grasses, Sudan Grass Andropogon sudanense	Pollens - Grasses: Sudan Grass, Sorghum X drummondii	The scientific name is obsolete. The common name is correct.
Pollens - Grasses, Sudan Grass Sorghum sudanense	Pollens - Grasses: Sudan Grass, Sorghum X drummondii	The scientific name is obsolete. The common name is correct.
Pollens - Grasses, Wheatgrass, Western Agropyron smithii	Pollens - Grasses: Wheatgrass, Western, Pascopyrum smithii	The scientific name is obsolete. The common name is correct.
Pollens - Trees, Alder, Tag-Smooth Alnus rugosa	Pollens - Trees: Alder, Tag-Smooth, Alnus incana ssp. rugosa.	The scientific name is obsolete. The common name is correct.
Pollens - Trees, Arbor Vitae, Oriental Thuja orientalis	Pollens - Trees: Arbor Vitae, Oriental, Platycladus orientalis	The scientific name is obsolete. The common name is correct.
Pollens - Trees, Ash Fraxinus spp.	Pollens - Trees: Ash, Fraxinus (species to be specified)	The scientific name is ambiguous. The common name is correct.
Pollens - Trees, Ash, Oregon Fraxinus oregona	Pollens - Trees: Ash, Oregon, Fraxinus latifolia	The scientific name is obsolete. The common name is correct.
Pollens - Trees, Ash, Velvet Fraxinus toumeyi	Pollens - Trees: Ash, Velvet, Fraxinus velutina	The scientific name is obsolete. The common name is correct.
Pollens - Trees, Bassia	Pollens - Trees: (common name to be specified), (genus and species to be specified)	The scientific and common names are ambiguous. (Note that Bassia is not a tree).
Pollens - Trees, Bayberry Myrica spp.	Pollens - Trees: Bayberry, Myrica (species to be specified)	The scientific name is ambiguous. The common name is correct.
Pollens - Trees, Birch Betula spp.	Pollens - Trees: Birch, Betula (species to be specified)	The scientific name is ambiguous. The common name is correct.
Pollens - Trees, Birch, Yellow Betula lutea	Pollens - Trees: Birch, Yellow, Betula alleghaniensis	The scientific name is obsolete. The common name is correct.
Pollens - Trees, Boxwood Schaefferia spp	Pollens - Trees: Boxwood, Schaefferia (species to be specified)	The scientific name is ambiguous. The common name is correct.
Pollens - Trees, Cedar, Mountain Juniperus sabinoides	Pollens - Trees: Cedar, Mountain, Juniperus ashei	The scientific name is obsolete. The common name is correct.
Pollens - Trees, Cottonwood, Western Populus sargentii	Pollens - Trees: Cottonwood, Western, Populus deltoides ssp. Monilifera	The scientific name is obsolete. The common name is correct.
Pollens - Trees, Cypress, Arizona Cupressus arizonica	Pollens - Trees: Cypress, Arizona, Callitropsis arizonica	The scientific name is obsolete. The common name is correct.
Pollens - Trees, Elm Mix Ulmus spp.	Pollens - Trees: Elm Mix, Ulmus (species to be specified)	The scientific and common names are ambiguous.
Pollens - Trees, Eucalyptus spp.	Pollens - Trees: Eucalyptus, Eucalyptus (species to be specified)	The scientific name is ambiguous. The common name is correct.
Pollens - Trees, Hackberry Celtis spp.	Pollens - Trees: Hackberry, Celtis (species to be specified)	The scientific name is ambiguous. The common name is correct.
Pollens - Trees, Hazelnut, California Corylus californica	Pollens - Trees: Hazelnut, California, Corylus cornuta ssp. californica	The scientific name is obsolete. The common name is correct.
Pollens - Trees, Hibiscus Hibiscus spp	Pollens - Trees: Hibiscus, Hibiscus (species to be specified)	The scientific name is ambiguous. The common name is correct.
Pollens - Trees, Hickory Carya spp.	Pollens - Trees: Hickory, Carya (species to be specified)	The scientific name is ambiguous. The common name is correct.
Pollens - Trees, Hickory, White Carya alba	Pollens - Trees: Hickory, White, Carya tomentosa	The scientific name is obsolete. The common name is correct.

Antigen. Table 1: Licensed non-standardized allergenic extracts with incorrect identifiers and recommended correct identifiers

Pollens - Trees, Locust, Black Robinia acacia	Pollens - Trees: Locust, Black, Robinia pseudoacacia	The scientific name is obsolete. The common name is correct.
Pollens - Trees, Maple Acer spp.	Pollens - Trees: Maple, Acer (species to be specified)	The scientific name is ambiguous. The common name is correct.
Pollens - Trees, Maple, Coast	Pollens - Trees: Maple, Coast, (genus and species to be specified)	The scientific name is absent. The common name is correct.
Pollens - Trees, Melaleuca leucadendrom	Pollens - Trees: Melaleuca, Melaleuca leucadendra	The scientific name is obsolete. The common name is correct.
Pollens - Trees, Mesquite Prosopis spp.	Pollens - Trees: Mesquite, Prosopis (species to be specified)	The scientific name is ambiguous. The common name is correct.
Pollens - Trees, Mulberry, Paper Morus papyrifera	Pollens - Trees: Mulberry, Paper, Broussonetia papyrifera	The scientific name is obsolete. The common name is correct.
Pollens - Trees, Oak, Arizona Scrub Quercus chrysolepis	Pollens - Trees: Oak, Arizona Scrub, Quercus chrysolepis	The scientific name is misspelled. The common name is correct.
Pollens - Trees, Oak, California Black Quercus kelloggii-californica	Pollens - Trees: Oak, California Black, Quercus kelloggii	The scientific name is obsolete. The common name is correct.
Pollens - Trees, Oak, Canyon Live Quercus chrysolepis	Pollens - Trees: Oak, Canyon Live, Quercus chrysolepis	The scientific name is misspelled. The common name is correct.
Pollens - Trees, Oak, Chestnut Quercus prinus	Pollens - Trees: Oak, Chestnut, Quercus michauxii	The scientific name is obsolete. The common name is correct.
Pollens - Trees, Oak, Englemann Quercus engelmannii	Pollens - Trees: Oak, Englemann, Quercus engelmannii	The scientific name is misspelled. The common name is correct.
Pollens - Trees, Oak, Interior Live Quercus wisizenii	Pollens - Trees: Oak, Interior Live, Quercus wisizenii	The scientific name is misspelled. The common name is correct.
Pollens - Trees, Oak, Mix Quercus spp.	Pollens - Trees: Oak, Mix, Quercus (species to be specified)	The scientific name is ambiguous. The common name is correct.
Pollens - Trees, Orange Citrus sinensis	Pollens - Trees: Orange, Citrus X sinensis	The scientific name is obsolete. The common name is correct.
Pollens - Trees, Palm, Queen Arecastrum romanzoffianum	Pollens - Trees: Palm, Queen, Syagrus romanzoffiana	The scientific name is obsolete. The common name is correct.
Pollens - Trees, Pecan Carya pecan	Pollens - Trees: Pecan, Carya illinoensis	The scientific name is obsolete. The common name is correct.
Pollens - Trees, Pine, Black	Pollens - Trees: Pine, Black, (genus and species to be specified)	The scientific name is absent. The common name is correct.
Pollens - Trees, Pine, Italian Stone	Pollens - Trees: Italian Stone, Pinus pinea	The scientific name is absent. The common name is correct.
Pollens - Trees, Pine, Mix Pinus spp.	Pollens - Trees: (common name to be specified), Pinus (species to be specified)	The scientific and common names are ambiguous.
Pollens - Trees, Pine, Norfolk Island Anacaria excelsa	Pollens - Trees: (common name to be specified), Anacaria (species to be specified)	The scientific name is misspelled and obsolete. The common name and scientific names do not match.
Pollens - Trees, Poplar, Lombardy Populus nigra italica	Pollens - Trees: Poplar, Lombardy, Populus nigra	The scientific name is obsolete. The common name is correct.
Pollens - Trees, Poplar, Plains	Pollens - Trees: Poplar, Plains, (genus and species to be specified)	The scientific name is ambiguous. The common name is ambiguous.
Pollens - Trees, Privet Ligustrum spp.	Pollens - Trees: Privet, Ligustrum (species to be specified)	The scientific name is ambiguous. The common name is correct.
Pollens - Trees, Spruce, Red Picea rubra	Pollens - Trees: Spruce, Red, Picea rubens	The scientific name is misspelled. The common name is correct.
Pollens - Trees, Sycamore, American (Eastern) Platanus occidentalis	Pollens - Trees: Sycamore, American (Eastern), Platanus occidentalis	The scientific name is misspelled. The common name is correct.
Pollens - Weeds and Garden Plants, Clover, Sweet Melilotus alba	Pollens - Weeds and Garden Plants: Clover, Sweet, Melilotus albus	The scientific name is misspelled. The common name is correct.
Pollens - Weeds and Garden Plants, Cocklebur Xanthium commune	Pollens - Weeds and Garden Plants: Cocklebur, Xanthium strumarium	The scientific name is obsolete. The common name is correct.
Pollens - Weeds and Garden Plants, Cocklebur, Mixed Xanthium spp.	Pollens - Weeds and Garden Plants: Cocklebur, Xanthium (species to be specified)	The scientific name is ambiguous. The common name is correct.
Pollens - Weeds and Garden Plants, Elderberry Sambucus spp.	Pollens - Weeds and Garden Plants: Elderberry, Sambucus (species to be specified)	The scientific name is ambiguous. The common name is correct.
Pollens - Weeds and Garden Plants, Hemp, Western Water Acnida tamariscina	Pollens - Weeds and Garden Plants: Hemp, Western Water, Amaranthus tuberculatus	The scientific name is obsolete. The common name is correct.
Pollens - Weeds and Garden Plants, Jerusalem Oak Chenopodium botrys	Pollens - Weeds and Garden Plants: Jerusalem Oak, Dysphania botrys	The scientific name is ambiguous. The common name is correct.
Pollens - Weeds and Garden Plants, Marshelder, Burweed (Giant Poverty) Iva xanthifolia	Pollens - Weeds and Garden Plants: Marshelder, Burweed (Giant Poverty), Cyclachaena xanthifolia	The scientific name is obsolete. The common name is correct.

Antigen. Table 1: Licensed non-standardized allergenic extracts with incorrect identifiers and recommended correct identifiers

Pollens - Weeds and Garden Plants, Marshelder, True (Rough) <i>Iva ciliata</i>	Pollens - Weeds and Garden Plants: Marshelder, True (Rough), <i>Iva annua</i>	The scientific name is obsolete. The common name is correct.
Pollens - Weeds and Garden Plants, Nettle <i>Urtica dioica</i>	Pollens - Weeds and Garden Plants: Nettle, <i>Urtica dioica</i>	The scientific name is misspelled. The common name is correct.
Pollens - Weeds and Garden Plants, Pigweed <i>Amaranthus spp.</i>	Pollens - Weeds and Garden Plants: Pigweed, <i>Amaranthus</i> (species to be named)	The scientific name is ambiguous. The common name is correct.
Pollens - Weeds and Garden Plants, Rabbit Bush <i>Franseria deltoidea</i>	Pollens - Weeds and Garden Plants: Rabbit Bush, <i>Ambrosia deltoidea</i>	The scientific name is obsolete. The common name is correct.
Pollens - Weeds and Garden Plants, Ragweed	Pollens - Weeds and Garden Plants: Ragweed, (genus and species to be specified)	The scientific name is ambiguous. The common name is correct.
Pollens - Weeds and Garden Plants, Ragweed, False <i>Franseria acanthicarpa</i>	Pollens - Weeds and Garden Plants: Ragweed, False, <i>Ambrosia acanthicarpa</i>	The scientific name is obsolete. The common name is correct.
Pollens - Weeds and Garden Plants, Ragweed, False <i>Franseria ambrosiodes</i>	Pollens - Weeds and Garden Plants: Ragweed, False, <i>Ambrosia ambrosioides</i>	The scientific name is obsolete. The common name is correct.
Pollens - Weeds and Garden Plants, Ragweed, Mixed <i>Ambrosia spp.</i>	Pollens - Weeds and Garden Plants: Ragweed, <i>Ambrosia</i> (species to be specified)	The scientific and common names are ambiguous.
Pollens - Weeds and Garden Plants, Ragweed, Slender <i>Franseria tenuifolia</i>	Pollens - Weeds and Garden Plants: Ragweed, Slender, <i>Ambrosia tenuifolia</i>	The scientific name is obsolete. The common name is correct.
Pollens - Weeds and Garden Plants, Ragweed, Western <i>Ambrosia coronopifolia</i>	Pollens - Weeds and Garden Plants: Ragweed, Western, <i>Ambrosia psilostachya</i>	The scientific name is obsolete. The common name is correct.
Pollens - Weeds and Garden Plants, Russian Thistle <i>Salsola kali tenuifolia</i>	Pollens - Weeds and Garden Plants: Russian Thistle, <i>Salsola tragus</i>	The scientific name is obsolete. The common name is correct.
Pollens - Weeds and Garden Plants, Sage, Mixed <i>Artemisia spp.</i>	Pollens - Weeds and Garden Plants: Sage, <i>Artemisia</i> (species to be specified)	The scientific and common names are ambiguous.
Pollens - Weeds and Garden Plants, Sage, Western <i>Artemisia gnapholodes</i>	Pollens - Weeds and Garden Plants: Sage, Western, <i>Artemisia ludoviciana ssp. ludoviciana</i>	The scientific name is obsolete. The common name is correct.
Pollens - Weeds and Garden Plants, Waterhemp, Western <i>Actinida tamariscina</i>	Pollens - Weeds and Garden Plants: Waterhemp, Western, <i>Amaranthus tuberculatus</i>	The scientific name is obsolete. The common name is correct.

**Antigen. Table 2: Licensed non-standardized allergenic extracts with correct identifiers**

Animal Allergens: Cattle dander, *Bos taurus*  
Animal Allergens: Goat Hair, *Capra hircus*  
Animal Allergens: Guinea Pig Hair, *Cavia porcellus*  
Animal Allergens: Hog Dander, *Sus scrofa*  
Animal Allergens: Hog Hair, *Sus scrofa*  
Animal Allergens: Horse Dander, *Equus caballus*  
Animal Allergens: Horse Hair, *Equus caballus*  
Animal Allergens: Parakeet Feathers, *Melopsittacus undulatus*

Animal Allergens: Rabbit Hair, *Oryctolagus cuniculus*

Food - Animal Products and Poultry Products: Lamb, *Ovis aries*

Food - Animal Products and Poultry Products: Pork , *Sus scrofa*

Food - Animal Products and Poultry Products: Rabbit, *Oryctolagus cuniculus*

Food - Animal Products and Poultry Products: Turkey meat, *Meleagris gallopavo*

Food - Fish and Shellfish: Carp, *Cyprinus carpio*

Food - Fish and Shellfish: Haddock, *Melanogrammus aeglefinus*

Food - Fish and Shellfish: Lobster, *Homarus americanus*

Food - Fish and Shellfish: Perch, Fresh Water, *Perca flavescens*

Food - Fish and Shellfish: Salmon, *Salmo salar*

Food - Plant Source: Anise Seed, *Pimpinella anisum*

Food - Plant Source: Apricot, *Prunus armeniaca*

Food - Plant Source: Arrowroot, *Curcuma angustifolia*

Food - Plant Source: Artichoke, *Cynara scolymus*

Food - Plant Source: Asparagus, *Asparagus officinalis*

Food - Plant Source: Avocado, *Persea americana*

Food - Plant Source: Barley, Whole Grain, *Hordeum vulgare*

Food - Plant Source: Bay Leaves, *Laurus nobilis*

Food - Plant Source: Bean, Mung, *Vigna radiata*

Food - Plant Source: Bean, Navy, *Phaseolus vulgaris*



**Antigen. Table 2: Licensed non-standardized allergenic extracts with correct identifiers**

Food - Plant Source: Bean, Pinto, Phaseolus vulgaris
Food - Plant Source: Bean, Red Kidney, Phaseolus vulgaris
Food - Plant Source: Bean, String Green, Phaseolus vulgaris
Food - Plant Source: Bean, Yellow Wax, Phaseolus vulgaris
Food - Plant Source: Beet, Beta vulgaris
Food - Plant Source: Blueberry, Velvetleaf, Vaccinium myrtilloides
Food - Plant Source: Brazil Nut, Bertholletia excelsa
Food - Plant Source: Buckwheat, Fagopyrum esculentum
Food - Plant Source: Cacao bean, Theobroma cacao
Food - Plant Source: Caraway Seed, Carum carvi
Food - Plant Source: Carob, Ceratonia siliqua
Food - Plant Source: Carrot, Daucus carota
Food - Plant Source: Cashew nut, Anacardium occidentale
Food - Plant Source: Celery, Apium graveolens (or Apium graveolens var. dulce)
Food - Plant Source: Cherry, Prunus avium
Food - Plant Source: Cloves, Syzygium aromaticum
Food - Plant Source: Coconut, Cocos nucifera
Food - Plant Source: Coffee, Coffea arabica
Food - Plant Source: Cola Nut, Cola acuminata
Food - Plant Source: Corn, Zea mays
Food - Plant Source: Cranberry, Vaccinium macrocarpon
Food - Plant Source: Cucumber, Cucumis sativus
Food - Plant Source: Cummin, Cuminum cyminum
Food - Plant Source: Date, Phoenix dactylifera
Food - Plant Source: Dill Seed, Anethum graveolens
Food - Plant Source: Eggplant, Solanum melongena
Food - Plant Source: Fig, Ficus carica
Food - Plant Source: Filbert, Corylus americana
Food - Plant Source: Garlic, Allium sativum
Food - Plant Source: Ginger, Zingiber officinale



**Antigen. Table 2: Licensed non-standardized allergenic extracts with correct identifiers**

Food - Plant Source: Honeydew melon, Cucumis melo
Food - Plant Source: Hops, Humulus lupulus
Food - Plant Source: Juniper Berries, Juniperus communis
Food - Plant Source: Lentil, Lens culinaris
Food - Plant Source: Lettuce, Lactuca sativa
Food - Plant Source: Mango, Mangifera indica
Food - Plant Source: Melon, Crenshaw, Cucumis melo
Food - Plant Source: Mint, Mentha spicata
Food - Plant Source: Mushroom, Agaricus campestris
Food - Plant Source: Mustard Greens, Brassica juncea
Food - Plant Source: Olive, Green, Olea europaea
Food - Plant Source: Papaya, Carica papaya
Food - Plant Source: Paprika, Capsicum annuum
Food - Plant Source: Parsley, Petroselinum crispum
Food - Plant Source: Parsnip, Pastinaca sativa
Food - Plant Source: Pea, Green or English, Pisum sativum
Food - Plant Source: Peach, Prunus persica
Food - Plant Source: Peanut, Arachis hypogaea
Food - Plant Source: Pear, Pyrus communis
Food - Plant Source: Pepper, Black-White, Piper nigrum
Food - Plant Source: Pepper, Green, Capsicum annuum
Food - Plant Source: Pepper, Red or Cayenne, Capsicum annuum
Food - Plant Source: Pimento, Capsicum annuum
Food - Plant Source: Pineapple, Ananas comosus
Food - Plant Source: Plum, Prunus domestica
Food - Plant Source: Poppy Seed, Papaver somniferum
Food - Plant Source: Potato, Sweet, Ipomoea batatas
Food - Plant Source: Potato, White, Solanum tuberosum
Food - Plant Source: Pumpkin, Cucurbita pepo
Food - Plant Source: Radish, Raphanus sativus
Food - Plant Source: Rice, Oryza sativa
Food - Plant Source: Rye, Secale cereale

**Antigen. Table 2: Licensed non-standardized allergenic extracts with correct identifiers**

Food - Plant Source: Safflower Seed, <i>Carthamus tinctorius</i>
Food - Plant Source: Sage, <i>Salvia officinalis</i>
Food - Plant Source: Sesame seed, <i>Sesamum indicum</i>
Food - Plant Source: Soybean, <i>Glycine max</i>
Food - Plant Source: Spinach, <i>Spinacia oleracea</i>
Food - Plant Source: Squash, <i>Cucurbita maxima</i>
Food - Plant Source: Squash, <i>Cucurbita moschata</i>
Food - Plant Source: Sunflower Seed, <i>Helianthus annuus</i>
Food - Plant Source: Tangerine, <i>Citrus reticulata</i>
Food - Plant Source: Tapioca, <i>Manihot esculenta</i>
Food - Plant Source: Tea, <i>Camellia sinensis</i>
Food - Plant Source: Thyme, <i>Thymus vulgaris</i>
Food - Plant Source: Turnip, <i>Brassica rapa</i>
Food - Plant Source: Turnip Greens, <i>Brassica napus</i>
Food - Plant Source: Walnut, Black, <i>Juglans nigra</i>
Food - Plant Source: Walnut, English, <i>Juglans regia</i>
Food - Plant Source: Watermelon, <i>Citrullus lanatus</i>
Food - Plant Source: Wheat, Whole, <i>Triticum aestivum</i>
Food - Plant Source: Yeast, Baker's, <i>Saccharomyces cerevisiae</i>
Food - Plant Source: Yeast, Brewer's, <i>Saccharomyces cerevisiae</i>
Insects (Whole Body): Cockroach, American, <i>Periplaneta americana</i>
Molds, Rusts and Smuts: <i>Lichtheimia ramosa</i>
Molds, Rusts and Smuts: <i>Trichophyton schoenleinii</i>
Molds, Rusts and Smuts: <i>Acrothecium robustum</i>
Molds, Rusts and Smuts: <i>Alternaria solani</i>
Molds, Rusts and Smuts: <i>Aspergillus clavatus</i>
Molds, Rusts and Smuts: <i>Aspergillus flavipes</i>
Molds, Rusts and Smuts: <i>Aspergillus flavus</i>
Molds, Rusts and Smuts: <i>Aspergillus fumigatus</i>

**Antigen. Table 2: Licensed non-standardized allergenic extracts with correct identifiers**

Molds, Rusts and Smuts: *Aspergillus nidulans*

Molds, Rusts and Smuts: *Aspergillus niger*

Molds, Rusts and Smuts: *Aspergillus ochraceus*

Molds, Rusts and Smuts: *Aspergillus repens*

Molds, Rusts and Smuts: *Aspergillus restrictus*

Molds, Rusts and Smuts: *Aspergillus terreus*

Molds, Rusts and Smuts: *Aspergillus ustus*

Molds, Rusts and Smuts: *Aspergillus versicolor*

Molds, Rusts and Smuts: *Aureobasidium pullulans*

Molds, Rusts and Smuts: Bermuda Grass Smut, *Ustilago cynodontis*

Molds, Rusts and Smuts: *Bipolaris sorokiniana*

Molds, Rusts and Smuts: *Candida albicans*

Molds, Rusts and Smuts: *Chaetomium globosum*

Molds, Rusts and Smuts: *Cladosporium herbarum*

Molds, Rusts and Smuts: Corn Smut, *Ustilago maydis*

Molds, Rusts and Smuts: *Curvularia inaequalis*

Molds, Rusts and Smuts: *Curvularia lunata*

Molds, Rusts and Smuts: *Epicoccum nigrum*

Molds, Rusts and Smuts: *Epidermophyton floccosum*

Molds, Rusts and Smuts: *Epidermophyton inguinale*

Molds, Rusts and Smuts: *Fusarium oxysporum*

Molds, Rusts and Smuts: *Geotrichum candidum*

Molds, Rusts and Smuts: *Humicola grisea*

Molds, Rusts and Smuts: *Mucor circinelloides*

Molds, Rusts and Smuts: *Mucor mucedo*

Molds, Rusts and Smuts: *Mucor plumbeus*

Molds, Rusts and Smuts: *Mucor racemosus*

**Antigen. Table 2: Licensed non-standardized allergenic extracts with correct identifiers**

Molds, Rusts and Smuts: <i>Mycogone perniciosa</i>
Molds, Rusts and Smuts: <i>Neurospora crassa</i>
Molds, Rusts and Smuts: <i>Neurospora intermedia</i>
Molds, Rusts and Smuts: <i>Nigrospora oryzae</i>
Molds, Rusts and Smuts: Oat Smut, <i>Ustilago avenae</i>
Molds, Rusts and Smuts: <i>Penicillium atramentosum</i>
Molds, Rusts and Smuts: <i>Penicillium camemberti</i>
Molds, Rusts and Smuts: <i>Penicillium chrysogenum</i>
Molds, Rusts and Smuts: <i>Penicillium digitatum</i>
Molds, Rusts and Smuts: <i>Penicillium expansum</i>
Molds, Rusts and Smuts: <i>Penicillium intricatum</i>
Molds, Rusts and Smuts: <i>Penicillium italicum</i>
Molds, Rusts and Smuts: <i>Penicillium janthinellum</i>
Molds, Rusts and Smuts: <i>Penicillium notatum</i>
Molds, Rusts and Smuts: <i>Penicillium oxalicum</i>
Molds, Rusts and Smuts: <i>Penicillium roqueforti</i>
Molds, Rusts and Smuts: <i>Penicillium roseopurpureum</i>
Molds, Rusts and Smuts: <i>Phoma destructiva</i>
Molds, Rusts and Smuts: <i>Phycomyces blakesleeanae</i>
Molds, Rusts and Smuts: <i>Pleospora herbarum</i>
Molds, Rusts and Smuts: <i>Rhizopus arrhizus</i>
Molds, Rusts and Smuts: <i>Rhizopus stolonifer</i>
Molds, Rusts and Smuts: <i>Saccharomyces cerevisiae</i>
Molds, Rusts and Smuts: <i>Scopulariopsis brevicaulis</i>
Molds, Rusts and Smuts: <i>Stachybotrys chartarum</i>

**Antigen. Table 2: Licensed non-standardized allergenic extracts with correct identifiers**

Molds, Rusts and Smuts: <i>Stemphylium sarciniforme</i>
Molds, Rusts and Smuts: <i>Stemphylium solani</i>
Molds, Rusts and Smuts: <i>Syncephalastrum racemosum</i>
Molds, Rusts and Smuts: <i>Tetracoccosporium paxianum</i>
Molds, Rusts and Smuts: <i>Trichophyton mentagrophytes</i>
Molds, Rusts and Smuts: <i>Trichophyton rubrum</i>
Molds, Rusts and Smuts: <i>Trichothecium roseum</i>
Molds, Rusts and Smuts: <i>Verticillium albo-atrum</i>
Plants and Plant Parts: Gum, <i>Tragacanth</i> , <i>Astragalus gummifer</i>
Plants and Plant Parts: Kapok, <i>Ceiba pentandra</i>
Pollens - Cultivated Farm Plants: Beet, garden, <i>Beta vulgaris</i>
Pollens - Cultivated Farm Plants: Beet, Sugar, <i>Beta vulgaris</i>
Pollens - Cultivated Farm Plants: Corn, <i>Zea mays</i>
Pollens - Cultivated Farm Plants: Mustard, Black, <i>Brassica nigra</i>
Pollens - Flowers: Dandelion <i>Taraxacum officinale</i>
Pollens - Flowers: Sunflower, <i>Helianthus annuus</i>
Pollens - Grasses: Bahia Grass, <i>Paspalum notatum</i>
Pollens - Grasses: Bluegrass, Annual, <i>Poa annua</i>
Pollens - Grasses: Bluegrass, Canada, <i>Poa compressa</i>
Pollens - Grasses: Brome, Cheat, <i>Bromus secalinus</i>
Pollens - Grasses: Brome, Smooth, <i>Bromus inermis</i>
Pollens - Grasses: Canarygrass, <i>Phalaris canariensis</i>
Pollens - Grasses: Canarygrass, Reed, <i>Phalaris arundinacea</i>
Pollens - Grasses: Canarygrass, Small, <i>Phalaris minor</i>

**Antigen. Table 2: Licensed non-standardized allergenic extracts with correct identifiers**

Pollens - Grasses: Cattail, <i>Typha latifolia</i>
Pollens - Grasses: Fescue, Red, <i>Festuca rubra</i>
Pollens - Grasses: Johnson Grass, <i>Sorghum halepense</i>
Pollens - Grasses: Millet, Common, <i>Setaria italica</i>
Pollens - Grasses: Oatgrass, Wild, <i>Avena fatua</i>
Pollens - Grasses: Oats, Common, Cultivated, <i>Avena sativa</i>
Pollens - Grasses: Rye, Cultivated, <i>Secale cereale</i>
Pollens - Grasses: Ryegrass, Italian, <i>Lolium multiflorum</i>
Pollens - Grasses: Saltgrass, <i>Distichlis spicata</i>
Pollens - Grasses: Velvetgrass, <i>Holcus lanatus</i>
Pollens - Grasses: Wheat, Cultivated, <i>Triticum aestivum</i>
Pollens - Trees: Acacia, <i>Acacia longifolia</i>
Pollens - Trees: Acacia, Bailey's, <i>Acacia baileyana</i>
Pollens - Trees: Alder, White, <i>Alnus rhombifolia</i>
Pollens - Trees: Ash, Arizona (Velvet), <i>Fraxinus velutina</i>
Pollens - Trees: Ash, Black, <i>Fraxinus nigra</i>
Pollens - Trees: Ash, Blue, <i>Fraxinus quadrangulata</i>
Pollens - Trees: Ash, Green, <i>Fraxinus pennsylvanica</i>
Pollens - Trees: Ash, White, <i>Fraxinus americana</i>
Pollens - Trees: Aspen, <i>Populus tremuloides</i>
Pollens - Trees: Beech, American, <i>Fagus grandifolia</i>
Pollens - Trees: Beech, Hornbeam, <i>Carpinus caroliniana</i>
Pollens - Trees: Birch, Black, <i>Betula lenta</i>
Pollens - Trees: Birch, Paper, <i>Betula papyrifera</i>
Pollens - Trees: Birch, River, <i>Betula nigra</i>
Pollens - Trees: Birch, Spring, <i>Betula occidentalis</i>
Pollens - Trees: Birch, Spring, <i>Betula occidentalis</i>
Pollens - Trees: Birch, White (Weeping), <i>Betula pendula</i>
Pollens - Trees: Birch, White, <i>Betula populifolia</i>
Pollens - Trees: Birch, Yellow, <i>Betula alleghaniensis</i>
Pollens - Trees: Box Elder, <i>Acer negundo</i>



**Antigen. Table 2: Licensed non-standardized allergenic extracts with correct identifiers**

- Pollens - Trees: Cedar, Red, Juniperus virginiana
- Pollens - Trees: Cedar, Salt, Tamarix gallica
- Pollens - Trees: Cottonwood, Black, Populus trichocarpa
- Pollens - Trees: Cottonwood, Eastern, Populus deltoides
- Pollens - Trees: Cypress, Bald, Taxodium distichum
- Pollens - Trees: Elm, American, Ulmus americana
- Pollens - Trees: Elm, Cedar, Ulmus crassifolia
- Pollens - Trees: Elm, Chinese, Ulmus pumila
- Pollens - Trees: Elm, Fallblooming, Ulmus parvifolia
- Pollens - Trees: Elm, Winged, Ulmus alata
- Pollens - Trees: Groundsel, Baccharis halimifolia
- Pollens - Trees: Gum, Sweet, Liquidambar styraciflua
- Pollens - Trees: Hackberry, Celtis occidentalis
- Pollens - Trees: Hackberry, Southern-Sugarberry, Celtis laevigata
- Pollens - Trees: Hazelnut, American, Corylus americana
- Pollens - Trees: Hickory, Bitternut, Carya cordiformis
- Pollens - Trees: Hickory, Pignut, Carya glabra
- Pollens - Trees: Hickory, Shagbark, Carya ovata
- Pollens - Trees: Hickory, Shellbark, Carya laciniosa
- Pollens - Trees: Hickory, White, Carya tomentosa
- Pollens - Trees: Ironwood (Hop-Hornbean), Ostrya virginiana
- Pollens - Trees: Juniper, California, Juniperus californica
- Pollens - Trees: Juniper, Oneseed, Juniperus monosperma
- Pollens - Trees: Juniper, Utah, Juniperus osteosperma
- Pollens - Trees: Locust, Black, Robinia pseudoacacia
- Pollens - Trees: Locust, Honey, Gleditsia triacanthos
- Pollens - Trees: Maple, Hard, Acer saccharum

**Antigen. Table 2: Licensed non-standardized allergenic extracts with correct identifiers**

Pollens - Trees: Maple, Red, Acer rubrum  
Pollens - Trees: Maple, Soft, Acer saccharinum  
Pollens - Trees: Mesquite, Prosopis juliflora  
Pollens - Trees: Mock Orange, Philadelphus lewisii  
Pollens - Trees: Mulberry, Paper, Broussonetia papyrifera  
  
Pollens - Trees: Mulberry, Red, Morus rubra  
Pollens - Trees: Mulberry, White, Morus alba  
Pollens - Trees: Oak, Arizona White, Quercus arizonica  
  
Pollens - Trees: Oak, Black Jack, Quercus marilandica  
  
Pollens - Trees: Oak, Black, Quercus velutina  
Pollens - Trees: Oak, Blue, Quercus douglasii  
Pollens - Trees: Oak, Bur, Quercus macrocarpa  
  
Pollens - Trees: Oak, California Live, Quercus agrifolia  
  
Pollens - Trees: Oak, California Scrub, Quercus dumosa  
  
Pollens - Trees: Oak, California White, Quercus lobata  
  
Pollens - Trees: Oak, Chestnut Chinkapin, Quercus muehlenbergii  
  
Pollens - Trees: Oak, Dwarf Chinkapin, Quercus prinoides  
  
Pollens - Trees: Oak, Emory, Quercus emoryi  
Pollens - Trees: Oak, Gambel, Quercus gambelii  
Pollens - Trees: Oak, Garry, Quercus garryana  
Pollens - Trees: Oak, Holly, Quercus ilex  
Pollens - Trees: Oak, Post, Quercus stellata  
Pollens - Trees: Oak, Red, Quercus rubra  
Pollens - Trees: Oak, Scarlet or Spanish, Quercus coccinea  
  
Pollens - Trees, Oak, Shin or Shinnery, Quercus havardii  
  
Pollens - Trees: Oak, Southern Red, Quercus falcata  
  
Pollens - Trees: Oak, Swamp (Pin), Quercus palustris  
  
Pollens - Trees: Oak, Valley, Quercus lobata  
Pollens - Trees: Oak, Virginia Live, Quercus virginiana  
  
Pollens - Trees: Oak, Water, Quercus nigra

**Antigen. Table 2: Licensed non-standardized allergenic extracts with correct identifiers**

Pollens - Trees: Oak, White, Quercus alba
Pollens - Trees: Oak, Willow, Quercus phellos
Pollens - Trees: Olive, Olea europaea
Pollens - Trees: Olive, Russian, Elaeagnus angustifolia
Pollens - Trees: Pecan, Carya illinoensis
Pollens - Trees: Pepper Tree, Brazilian, Schinus terebinthifolius
Pollens - Trees: Pepper Tree, California, Schinus molle
Pollens - Trees: Pine, Australian (Beefwood), Casuarina equisetifolia
Pollens - Trees: Pine, Canary Island, Pinus canariensis
Pollens - Trees: Pine, Digger, Pinus sabiniana
Pollens - Trees: Pine, Jack, Pinus banksiana
Pollens - Trees: Pine, Japanese Black, Pinus thunbergii
Pollens - Trees: Pine, Japanese Red, Pinus densiflora
Pollens - Trees: Pine, Loblolly, Pinus taeda
Pollens - Trees: Pine, Lodgepole, Pinus contorta
Pollens - Trees: Pine, Longleaf, Pinus palustris
Pollens - Trees: Pine, Monterey, Pinus radiata
Pollens - Trees: Pine, Pinyon, Pinus edulis
Pollens - Trees: Pine, Pitch, Pinus rigida
Pollens - Trees: Pine, Red, Pinus resinosa
Pollens - Trees: Pine, Scotch, Pinus sylvestris
Pollens - Trees: Pine, Shortleaf, Pinus echinata
Pollens - Trees: Pine, Slash, Pinus elliottii
Pollens - Trees: Pine, Virginia Scrub, Pinus virginiana
Pollens - Trees: Pine, Western Yellow, Pinus ponderosa
Pollens - Trees: Pine, White (Eastern), Pinus strobus
Pollens - Trees: Pine, White (Western), Pinus monticola
Pollens - Trees: Poplar, Balsam, Populus balsamifera
Pollens - Trees: Poplar, White, Populus alba
Pollens - Trees: Privet, Ligustrum vulgare
Pollens - Trees: Redwood, Sequoia sempervirens
Pollens - Trees: Spruce, Blue, Picea pungens

**Antigen. Table 2: Licensed non-standardized allergenic extracts with correct identifiers**

Pollens - Trees: Spruce, Red, <i>Picea rubens</i>
Pollens - Trees: Sycamore, Arizona, <i>Platanus wrightii</i>
Pollens - Trees: Sycamore, Mapleleaf, <i>Platanus acerifolia</i>
Pollens - Trees: Sycamore, Western, <i>Platanus racemosa</i>
Pollens - Trees: Tamarack (Larch), <i>Larix occidentalis</i>
Pollens - Trees: Tree of Heaven, <i>Ailanthus altissima</i>
Pollens - Trees: Walnut, Black, <i>Juglans nigra</i>
Pollens - Trees: Walnut, English, <i>Juglans regia</i>
Pollens - Trees: Walnut, Southern California Black, <i>Juglans californica</i>
Pollens - Trees: Willow, Black, <i>Salix nigra</i>
Pollens - Trees: Willow, Western Black, <i>Salix lasiandra</i>
Pollens - Trees: Willow, White, <i>Salix alba</i>
Pollens - Weeds and Garden Plants: Alfalfa, <i>Medicago sativa</i>
Pollens - Weeds and Garden Plants: Allscale, <i>Atriplex polycarpa</i>
Pollens - Weeds and Garden Plants: Careless Weed, <i>Amaranthus palmeri</i>
Pollens - Weeds and Garden Plants: Cattail, Narrowleaved, <i>Typha angustifolia</i>
Pollens - Weeds and Garden Plants: Clover, Sweet (Yellow), <i>Medicago officinalis</i>
Pollens - Weeds and Garden Plants: Clover, White (Dutch), <i>Trifolium repens</i>
Pollens - Weeds and Garden Plants: Cocklebur, <i>Xanthium strumarium</i>
Pollens - Weeds and Garden Plants: Dock, Bitter, <i>Rumex obtusifolius</i>
Pollens - Weeds and Garden Plants: Dock, Sour or Sheep Sorrel, <i>Rumex acetosella</i>
Pollens - Weeds and Garden Plants: Dock, Tall, <i>Rumex altissimus</i>
Pollens - Weeds and Garden Plants: Dock, White, <i>Rumex mexicanus</i>
Pollens - Weeds and Garden Plants: Dock, Yellow (Curly Dock), <i>Rumex crispus</i>

**Antigen. Table 2: Licensed non-standardized allergenic extracts with correct identifiers**

Pollens - Weeds and Garden Plants: Dog Fennel, Eupatorium capillifolium
Pollens - Weeds and Garden Plants: Goldenrod, Solidago canadensis
Pollens - Weeds and Garden Plants: Greasewood, Larrea tridentata
Pollens - Weeds and Garden Plants: Hemp, Cannabis sativa
Pollens - Weeds and Garden Plants: Kochia (Mexican Firebush) Kochia scoparia
Pollens - Weeds and Garden Plants: Lamb's Quarters, Chenopodium album
Pollens - Weeds and Garden Plants: Lenscale Quailbrush, Atriplex lentiformis
Pollens - Weeds and Garden Plants: Pigweed, Green, Amaranthus hybridus
Pollens - Weeds and Garden Plants: Pigweed, Rough Redroot, Amaranthus retroflexus
Pollens - Weeds and Garden Plants: Pigweed, Spiny, Amaranthus spinosus
Pollens - Weeds and Garden Plants: Plantain, Common, Plantago major lanceolata
Pollens - Weeds and Garden Plants: Plantain, English, Plantago lanceolata
Pollens - Weeds and Garden Plants: Povertyweed, Iva axillaris
Pollens - Weeds and Garden Plants: Ragweed, Desert, Ambrosia dumosa trifida
Pollens - Weeds and Garden Plants: Ragweed, Giant (Tall), Ambrosia bidentata
Pollens - Weeds and Garden Plants: Russian Thistle, Salsola kali
Pollens - Weeds and Garden Plants: Russian Thistle, Salsola tragus
Pollens - Weeds and Garden Plants: Sage, Coastal, Artemisia californica
Pollens - Weeds and Garden Plants: Sage, Desert, Artemisia tridentata
Pollens - Weeds and Garden Plants: Sage, Mugwort, Common, Artemisia vulgaris
Pollens - Weeds and Garden Plants: Sage, Mugwort, Western, Artemisia ludoviciana

**Antigen. Table 2: Licensed non-standardized allergenic extracts with correct identifiers**

Pollens - Weeds and Garden Plants: Sage, Prairie, *Artemisia frigida*

Pollens - Weeds and Garden Plants: Sage, Wormwood, *Artemisia absinthium*

Pollens - Weeds and Garden Plants: Sage, Wormwood, Indian, *Artemisia dracunculoides*

Pollens - Weeds and Garden Plants: Saltbush, Annual, *Atriplex wrightii*

Pollens - Weeds and Garden Plants: Sedge, *Carex barbarae*

Pollens - Weeds and Garden Plants: Sheep Sorrel, *Rumex acetosella*

Pollens - Weeds and Garden Plants: Wormwood, Annual, *Artemisia annua*