

Raw materials & intermediate products (Revision v0.4_July 2023)

UDB will have two types of codes for raw materials & intermediate products

- Product codes (for currently used products by Voluntary schemes, Certification bodies & national schemes). If there are product codes that are incomplete, Voluntary schemes & National schemes can request inclusions of such product names to the below list
- Annex IX categories for Part A & B; Non-Annex IX code for all materials not listed in Annex IX. It is the responsibility of Certification bodies to certify appropriate classification of the products to this category for each material in the certificate (of an economic Operator)refined oil

An Economic Operator when reporting a trade transactions shall provide both the Product code and the Annex IX code to the UDB.

The first section contains the list of all materials identified in Annex IX Part A) for Advanced biofuels & Part B) for waste-based biofuels.

Legal Text	Annex IX reference
Algae if cultivated on land in ponds or photobioreactors	Annex IX Part A a)
Biomass fraction of mixed municipal waste, but not separated household waste subject to recycling targets under point (a) of Article 11(2) of Directive 2008/98/EC	Annex IX Part A b)
Waste fish oil classified as categories 1 and 2 in accordance with Regulation (EC) No 1069/2009.	Annex IX Part A b)
Biowaste as defined in point (4) of Article 3 of Directive 2008/98/EC from private households subject to separate collection as defined in point (11) of Article 3 of that Directive	Annex IX Part A c)
Drink waste	Annex IX Part A d)
Fruit / vegetable residues and waste (Only tails, leaves, stalks and husks)	Annex IX Part A d)
Bean shells, silverskin, and dust: cocoa, coffee	Annex IX Part A d)
Residues and waste from production of hot beverages: spent coffee grounds, spent tea leaves	Annex IX Part A d)
Dairy waste scum	Annex IX Part A d)
Food waste oil: oil extracted from waste food from industry	Annex IX Part A d)
Non-edible cereal residues and waste from grain milling and processing: wheat, corn, barley, rice	Annex IX Part A d)
Olive oil extraction residues and waste: olive stones	Annex IX Part A d)
Other slaughterhouse waste (Animal residues (non-fat) Cat 1)	Annex IX Part A d)
Industrial wastewater and derivatives	Annex IX Part A d)
Industrial storage settlements	Annex IX Part A d)
Biogenic fraction of end-of-life tyres	Annex IX Part A d)
Humins	Annex IX Part A d)
Spent bleaching earth	Annex IX Part A d)
Straw	Annex IX Part A e)
Animal manure and sewage sludge	Annex IX Part A f)

Palm oil mill effluent and empty palm fruit bunches	Annex IX Part A g)
Palm sludge oil (PSO)	Annex IX Part A g)
Tall oil pitch	Annex IX Part A h)
Crude glycerine	Annex IX Part A i)
Bagasse	Annex IX Part A j)
Grape marcs and wine lees	Annex IX Part A k)
Nut shells	Annex IX Part A l)
Husks	Annex IX Part A m)
Cobs cleaned of kernels of corn	Annex IX Part A n)
Biomass fraction of wastes and residues from forestry and forest-based industries, namely, bark, branches, pre-commercial thinnings, leaves, needles, tree tops, saw dust, cutter shavings, black liquor, brown liquor, fibre sludge, lignin and tall oil	Annex IX Part A o)
Shells/husks and derivatives, soy hulls	Annex IX Part A p)
Agricultural harvesting residues	Annex IX Part A p)
Unused feed/fodder from ley	Annex IX Part A p)
Other ligno-cellulosic material except saw logs and veneer logs	Annex IX Part A q)
Palm fronds, palm trunk	Annex IX Part A q)
Damaged trees	Annex IX Part A q)
Recycled/waste wood	Annex IX Part A q)
Used cooking oil	Annex IX Part B a)
Animal fats classified as categories 1 and 2 in accordance with Regulation (EC) No 1069/2009	Annex IX Part B b)
	Not applicable

The **second section** contains the product list as currently used in the market. Some names have been optimized to the best possible extent and may require further revisions. Any missing products can be included as per the request of Voluntary schemes / National Schemes.

Certificates meta data should specify both the UDB material code & Annex IX code for each material listed in the certificate.

Material or Product or category name		UDB material code (To be confirmed)
Acid oils		URWA001
Agricultural harvesting residues	Annex IX Part A p	URWA002
Agricultural waste from farm fertiliser		URWA003
Agricultural waste from straw		URWA004
Algae if cultivated on land in ponds or photobioreactors	Annex IX Part A a	URWA005

Animal by-products greases vegetable oils wastes	Not Categoriz ed	URWA006
Animal fat / oils / tallow (category 2)		URWA007
Animal fat / oils / tallow (category 1)		URWA008
Animal fat / oils / tallow (category 3)		URWA009
Animal fats classified as categories 1 and 2 in accordance with Regulation (EC) No 1069/2009	Annex IX Part B b	URWA010
Acid gums		URWA011
Animal by-products (category 1)		URWA012
Animal by-products (category 2)		URWA013
Animal by-products (category 3)		URWA014
Animal by-products (uncategorized)		URWA015
Animal fats from rendering (uncategorized)		URWA016
Bagasse	Annex IX Part A j	URWB001
Barley		URWB002
Bean shells,silverskin and dust:cocoa,coffee	Annex IX Part A d	URWB003
Beer residues		URWB004
Beet		URWB005
Biogenic fraction of end-of-life tyres	Annex IX Part A d	URWB006
Bio-glycerine / Glycerol / Vegetable glycerine		URWB007
Biomass fraction of mixed municipal waste		URWB009
Biomass fraction of wastes and residues from forestry and forest-based industries		URWB010
Biomass from garden and park waste		URWB011
Brassica carinata / Carinata		URWB012
Brown grease / grease trap fat		URWB013
Brown liquor / spent sulphite liquor		URWB014
Biomass fraction of wastes and residues from forestry and forest-based industries, namely, bark, branches, pre-commercial thinnings, leaves, needles, tree tops, saw dust, cutter shavings	Annex IX Part A o	URWB015
Biomass fraction of wastes and residues from forestry and forest-based industries, namely, black liquor, brown liquor, fibre sludge, lignin and tall oil	Annex IX Part A o	URWB016
Biobutene		URWB017
Bread (and pizza)		URWB018
Barley hydrated alcohol		URWB019
Bread (and pizza) hydrated alcohol		URWB020
Beer residues hydrated alcohol		URWB021
Camelina		URWC001
Camelina seed oil		URWC002
Canola		URWC003
Carinata seed		URWC004
Cashew nut shell liquid (CNSL)		URWC005

Cereal germ		URWC006
Cereal germ oil		URWC007
Cobs cleaned of kernels of corn	Annex IX Part A n	URWC008
Coconuts		URWC009
Corn		URWC010
Corn oil		URWC011
Corn-cob mix		URWC012
Cotton		URWC013
Cotton seed		URWC014
Cover, catch crops		URWC015
Crude tall oil (CTO)		URWC018
Crude glycerine	Annex IX Part A i	URWC019
Cardo mariano		URWC020
Castor		URWC021
Croton		URWC022
Crude canola oil		URWC023
Crude carinata oil		URWC024
Crude castor oil		URWC025
Crude cotton seed oil		URWC026
Crude croton oil		URWC027
Crude palm oil		URWC028
Crude rapeseed oil		URWC029
Crude soybean oil		URWC030
Crude sunflower oil		URWC031
Cotton seed oil		URWC032
Canola seed		URWC033
Contaminated sugar process waste		URWC034
Champost		URWC035
Cider residues		URWC036
Cider residues hydrated alcohol		URWC037
Corn silage		URWC038
Dairy waste scum	Annex IX Part A d	URWD001
Damaged trees	Annex IX Part A q	URWD002
Draff		URWD003
Drink waste	Annex IX Part A d	URWD004
Out of shelf-life disinfectant		URWD005
Dextrose hydrolysate		URWD006
Distillate (corn)		URWD007

Distillate (residues from beer production)		URWD008
Distillate (sugar beet)		URWD009
Distillate (waste feedstock)		URWD010
Distillate (wheat)		URWD011
Distillate from food waste (sugar beets from agro-food industry not fit for use in the food or feed chain)		URWD012
Edible residues from the processing of corn/maize		URWE001
Empty palm fruit bunches (EFB) oil		URWE002
Energy crops		URWE003
Esterified fatty acids		URWE004
Ethanol made from Carbon Monoxide from steel mill Basic Oxygen Furnace off-gas		URWE005
Ethanol used in the cleaning/extraction of blood plasma		URWE006
Ethanol used in the extraction of ingredients from medicinal plants		URWE007
Erba medica		URWE008
Esterified soapstock acid oil		URWE009
Fatty acids (palm, soybean, rapeseed/canola, sunflower)		URWF001
Fish oil ethyl ester (FOEE)		URWF002
Fishery waste		URWF003
Flour / Meal		URWF004
Flower bulbs		URWF005
Food waste		URWF006
Food waste oil: oil extracted from waste food from industry	Annex IX Part A d	URWF007
Forestry processing residues		URWF008
Forestry residues		URWF009
Fruit / vegetable residues and waste (Only tails, leaves, stalks and husks)	Annex IX Part A d	URWF010
Fruit tree cuttings (from agriculture)		URWF011
Fruits from macaúba palm tree		URWF012
Facelia		URWF013
Favino		URWF014
Wet corn fiber		URWF015
Dried cellulose fibre		URWF016
Giant cane		URWG001
Giant reed		URWG002
Gliricidia trees sticks		URWG003
Whole grain plant		URWG004
Grape marcs and wine lees	Annex IX Part A k	URWG005
Grass		URWG006
Grease trap waste		URWG007

Grape marcs and wine lees crude hydrated alcohol		URWG008
Grape marcs crude alcohol		URWG009
Matter Organic non-glycerol		URWG010
Grapes marcs and wine lees hydrated alcohol		URWG011
Heat / Steam		URWH001
Humins	Annex IX Part A d	URWH002
Hybrid poplar		URWH003
Hydrated alcohol		URWH004
Husks	Annex IX Part A m	URWH005
Hemp (cannabis)		URWH006
Hydrotreated vegetable oil		URWH007
Biowaste as defined in point (4) of Article 3 of Directive 2008/98/EC from private households subject to separate collection as defined in point (11) of Article 3 of that Directive	Annex IX Part A c	URWH008
Hevea seeds		URWH009
Hay		URWH010
Industrial storage settlings	Annex IX Part A d	URWI001
Industrial wastes & residues		URWI002
Industrial wastewater and derivatives	Annex IX Part A d	URWI003
Jatropha / Jatropha curcas		URWJ001
Jojoba		URWJ002
Karitene		URWK001
Landfill gas		URWL001
Liquid dextrose (LDX)		URWL002
Lignocellulosic crude hydrated alcohol		URWL003
Linseed		URWL004
Loiessa		URWL005
Lubricant oils derived from fatty acids		URWL006
Lignin		URWL007
Lignocellulosic biomass		URWL008
Manure		URWM001
Manure with organic waste		URWM002
Manure with organic waste and energy crops		URWM003
Miscanthus		URWM004
Biomass fraction of mixed municipal waste, but not separated household waste subject to recycling targets under point (a) of Article 11(2) of Directive 2008/98/EC	Annex IX Part A b	URWM005
Molasses		URWM006
Municipal grass cuttings		URWM007
Mustard		URWM008
Mixed soapstock of waste and residues		URWM009

Macauba palm kernel oil		URWM010
Macauba palm pulp oil		URWM011
Oil macauba palm fresh fruit bunches (FFBs)		URWM012
Maize/corn hydrated alcohol		URWM013
Non-edible cereal residues and waste from grain milling and processing: wheat, corn, barley, rice	Annex IX Part A d	URWN001
Nut shells	Annex IX Part A l	URWN005
Oat		URWO001
Oil palm fresh fruit bunches (FFBs)		URWO002
Oilseed		URWO003
Olein		URWO004
Olive oil extraction residues and waste: olive stones	Annex IX Part A d	URWO005
Olives		URWO006
Organic household waste		URWO007
Organic municipal solid waste (MSW)		URWO008
Other agricultural residues and waste		URWO009
Other biogenic waste		URWO010
Other biomass		URWO011
Other empty fruit bunches		URWO012
Other fats, oils and greases (FOGs)		URWO013
Other feedstock		URWO014
Other food-feed processing residues and waste		URWO015
Other forestry residues and waste		URWO016
Other ligno-cellulosic material except saw logs and veneer logs	Annex IX Part A q	URWO017
Other oil crops		URWO019
Other raw materials/intermediate/final products (including RCF and RFONBO, to be specified)		URWO020
Other slaughterhouse waste (Animal residues (non-fat) Cat 1)	Annex IX Part A d	URWO021
Other sugar crops		URWO022
Other waste animal oils		URWO023
Other waste vegetable oils		URWO024
Other wastewater and derivatives		URWO025
Palm fatty acid distillate (PFAD)		URWP001
Palm fronds, palm trunk	Annex IX Part A q	URWP002
Palm kernel / Palm kernel shell (PKS)		URWP003
Palm kernel oil (PKO)		URWP004
Palm oil mill effluent and empty palm fruit bunches	Annex IX Part A g	URWP005
Palm sludge oil (PSO)	Annex IX Part A g	URWP006

Pellets		URWP008
Plant mucilage		URWP009
Poor sewage from 2nd extraction		URWP010
Pot ale		URWP011
Poultry feather acid oil		URWP012
Production residues (agriculture and industrial)		URWP013
Pulp		URWP014
Pure vegetable oil		URWP015
Pyrolysis oil		URWP016
Palm kernel olein		URWP017
Palm olein		URWP018
Pongamia		URWP019
Pure vegetable oil from canola		URWP020
Pressed palm fiber oil		URWP021
Pelemir seed		URWP022
Palm oil mill effluent (POME) oil	Annex IX Part A g	URWP023
Rapeseed		URWR001
Recycled/waste wood	Annex IX Part A q	URWR002
Refined animal fat / tallow (specification of category)		URWR003
Refined glycerine		URWR004
Renewable component of end-of-life tyres		URWR006
Residual starch		URWR007
Residues and waste from production of hot beverages: spent coffee grounds, spent tea leaves	Annex IX Part A d	URWR008
Residues of rapeseed and soya cake		URWR009
Rice husk		URWR010
Rye grain		URWR011
Rye grass		URWR012
Renewable sources of methyl-tertio-butyl-ether (MTBE)		URWR013
Residual starches crude hydrated alcohol		URWR014
Residue of FAME end distillation		URWR015
Grass fiber residues from the production of grass protein		URWR016
Unrefined liquid dextrose ultrafiltration retentate		URWR017
Refined oil from used cooking oil		URWR018
Refined oil from industrial waste and residue		URWR019
Refined oil from camelina		URWR020
Residual starch hydrated alcohol		URWR021
Rye hydrated alcohol		URWR022
Refined oil from sunflower		URWR023
Refined oil from food waste		URWR024

Rapeseed residue (single counting)		URWR025
Rapeseed residue (double counting)		URWR026
Liquid residues with biomass content		URWR027
SBG / SBM substrate for biogas/biomethane		URWS001
Sewage gas		URWS002
Animal manure & Sewage sludge	Annex IX Part A f	URWS003
Shea butter		URWS004
Shea meal		URWS005
Shea nuts		URWS006
Shells/husks and derivatives, soy hulls	Annex IX Part A p	URWS007
Short rotation coppice		URWS008
Silage maize		URWS009
Silverskin and dust		URWS010
Soap from sulphate production		URWS011
Sorghum		URWS012
Soy hulls		URWS013
Soybean		URWS014
Spent bleaching earth	Annex IX Part A d	URWS015
Spent bleaching earth oil		URWS016
Starch slurry		URWS017
Starch slurry (low grade)		URWS018
Stearin		URWS019
Stover		URWS020
Straw	Annex IX Part A e	URWS021
Sugar		URWS022
Sugar beet		URWS023
Sugar beet betaine residue		URWS024
Sugar beet residues/molasses		URWS025
Sugar cane		URWS026
Sugar cane juice		URWS027
Sunflower seed		URWS028
Sunflower whole plant		URWS029
Wheat straw		URWS030
Sugar cane straw		URWS031
Safflower (cartamo)		URWS032
Semi refined/refined canola oil		URWS033
Semi refined/refined cotton seed oil		URWS034
Semi refined/refined croton oil		URWS035

Semi refined/refined rapeseed oil		URWS036
Semi refined/refined carinata oil		URWS037
Semi refined/refined castor oil		URWS038
Semi refined/refined palm oil		URWS039
Semi refined/refined soybean oil		URWS040
Semi refined/refined sunflower oil		URWS041
Shea		URWS042
Soap stock acids oils		URWS043
Sugar EP2 crude hydrated alcohol		URWS044
Sugarbeet crude hydrated alcohol		URWS045
Sulla		URWS046
Sunflower hulls		URWS047
Sunflower meal		URWS048
Silphium		URWS049
Sugar beet hydrated alcohol		URWS050
Sugar beet residue (EP2 from sugar factory) hydrated alcohol		URWS051
Sugar cane hydrated alcohol		URWS052
Soap stock acid oil contaminated with sulphur		URWS053
Sugar beet juice		URWS054
Winterized sunflower oil		URWS055
Tall oil		URWT001
Tall oil pitch	Annex IX Part A h	URWT002
Tall oil rosin		URWT003
Tallow		URWT004
Technical corn oil		URWT005
Thick juice		URWT006
Thick,black liquor		URWT007
Tiger nuts / Chuffa		URWT008
Transesterification residues (TER)		URWT009
Triticale		URWT010
Tabacco		URWT011
Thistle (cardo)		URWT012
Trifoglio		URWT013
Triglycerides		URWT014
Tung		URWT015
Tall oil soap		URWT016
Unused feed/fodder from ley	Annex IX Part A p	URWU001
Used cooking oil (UCO) entirely of veg. origin	Annex IX Part B a	URWU002

Used cooking oil (UCO) entirely or partly of animal origin	Annex IX Part B a	URWU003
Used cooking oil	Annex IX Part B a	URWU004
Vegetable oil		URWV001
Veccia		URWV003
Vegetable oil fatty acid distillate pitch		URWV004
Velasce		URWV005
Waste fish oil classified as categories 1 and 2 in accordance with Regulation (EC) No 1069/2009.	Annex IX Part A b	URWW001
Waste from food industry		URWW002
Waste pressings (from production of vegetable oils)		URWW003
Waste slurry from the distillation of grain mixtures		URWW004
Waste starch from wheat processing		URWW005
Waste starch slurry		URWW006
Waste/residues from processing of alcohol		URWW007
Waste/residues from processing of vegetable or animal oil (specification of raw material or crop)		URWW008
Wheat		URWW009
Whey permeate		URWW010
Wine residues		URWW011
Wood waste		URWW012
Woody biomass fraction of nonrecyclable industrial and municipal construction and demolition waste		URWW014
Wine lees crude alcohol		URWW015
Wastewater from ship transport		URWW016
Feed waste		URWW017
Waste oil from sewage sludge treatment		URWW018
Wheat hydrated alcohol		URWW019
Organic waste and similar waste flows from trade, services and companies (bio-waste from trade, services and companies)		URWW020
Wastewater from the food industry		URWW021
Wastewater from the paper- and cardboard industry		URWW022
Bakery and confectionery waste		URWW023
Yellow grease		URWY001
Yeast residues		URWY002
Yeast residues hydrated alcohol		URWY003