## Feedstock

Feedstock									
Origin	Feedstock	ID	EBC-Feed	EBC- AgroOrganic	EBC-Agro	EBC-Urban	EBC- ConsumerMaterials	EBC-BasicMaterials	Special requirements and notes
Agriculture: bornass from agricultural farms, including both deliberally cultivated for blochar production.	Annual energy crops (e.g. com, rape, sugar beets, sunflowers) grown specifically for energy or material biomass use.	Ag-01	✓	<b>√</b>	<b>√</b>	<b>√</b>	✓	✓	For EBC-AgroOrganic only from organic cultivation. For C-sink certification, the amount of fertilizer used must be declared.
	Perennial energy crops (e.g. miscanthus, marbled silphyia, meadow cuttings) grown specifically for energetic or material biomass use	Ag-02	✓	<b>√</b>	✓	✓	✓	<b>✓</b>	For EBC-AgroOrganic only from organic cultivation. For C-sink certification, the amount of fertilizer used must be declared.
	Woody biomass from short rotation plantations (SRC)	Ag-03	<b>√</b>	<b>√</b>	<b>√</b>	<b>✓</b>	✓	<b>√</b>	For EBC-AgroOrganic only from organic cultivation. For C-sink certification, the amount of fertilizer used must be declared.
	Tree, vine and shrub pruning	Ag-04	✓	✓	✓	<b>✓</b>	✓	✓	Particular attention to be paid to heavy metals from crop protection spraying. For EBC-Feed: only from defined and documented sources, biomass from municipal collection not allowed.
	Harvest residues such as straw, cabbage, leaves, stalks, husks	Ag-05	✓	<b>√</b>	✓	<b>√</b>	✓	<b>√</b>	Particular attention to be paid to heavy metals from crop protection spraying.
	Old straw and grain dust	Ag-06		<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	Observe worker's protection in case of heavily dusty biomasses.
	Vegetables	Ag-07		<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	Only residual and waste materials that cannot or can no longer be used as animal feed. For EBC-AgroOrganic only from organic farming
	Seeds	Ag-08		<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	This only concerns expired seeds. For EBC-AgroBio only seeds from organic farming. Mineral
	Bark	F-01	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	✓	
Forestry and wood	Wood chips only from mechanically treated wood (pure firewood)	F-02	<i>\</i>	· √	· √	\ \ \	√ ·	√	Only from certified, sustainable forestry. Approved are the FSC and the PEFC labels, others on request.
processing: Natural bark and wood, untreated or mechanically				<u> </u>					Only from certified, sustainable forestry. Approved are the FSC and the
treated, from forestry operations, sawnills or similar operations	Wood, wood residues from mechanical processing (waste wood A1)	F-03	<b>√</b>	<b>√</b>	<b>√</b>	<b>✓</b>	✓	✓	PEFC labels, others on request. For EBC-Feed: only from defined, well documented sources, biomass from municipal collection not allowed.
	Sawdust, sawdust shavings	F-04	✓	✓	✓	<b>√</b>	✓	✓	Only from certified, sustainable forestry. Approved are the FSC and the PEFC labels, others on request.
	Foliage	S-01		✓	✓	<b>✓</b>	✓	✓	No road wiping material. Special measures for checking leaves for contamination can be determined in the instruction manual.
Landscape management: Residues generated by	Root stocks	S-03		✓	✓	✓	✓	✓	The soil content is considered an additive and must not exceed 10% of the DM.
municipalities, landowners, landscaping contractors, NGOs active in nature conservation	Biomass from nature conservation	S-04	(√)	<b>√</b>	<b>√</b>	<b>√</b>	✓	✓	For EBC-Feed: only from defined, well documented sources, biomass from municipal collection not allowed.
	General landscaping residues	S-05	(√)	✓	✓	✓	✓	<b>✓</b>	For EBC-Feed: only from defined, well documented sources, road-side biomass and biomass from municipal collection not allowed.
Recycling economy Residual bomass, organic residual bomass, organic industrial processes ("defined source") or from collection/separation by specific recycling companies	Urban green cuttings	R-01		✓	✓	✓	✓	<b>√</b>	Without food- and other biomass processing wastes
	Waste paper	R-02			(√)	(√)	✓	✓	For EBC-Agro only defined sub-assortments from defined sources (paper with to wrinneral filler content and without vamilities) and with small amounts of foreign matter: total content of synthetic coating, varnishes and plastic contamination max not exceed 1% (10% for EBC-Consume/flaterists and EBC-Bascikflaterists, individual approval needed when 1% limit is exceeded). To be regulated in the operating manual if requires.
	Untreated waste wood (A1), wood shavings, bark, wood wool	R-03		<b>√</b>	✓	<b>√</b>	✓	<b>√</b>	
	Treated waste wood (glued, painted, coated) without PVC or heavy metal enrichment or wood preservatives (waste wood A2)	R-04			(√)	(√)	✓	✓	For EBC-Agro and EBC-Uban only sub-assortments from defined sources (e.g. pure plywood waste) without coating and max. 1% synthetic binder (glue). Synthetic binder and coating must in total not exceed 10% for EBC-ConsumerMaterials and EBC-BaschMaterials, individual approvial needed when 1% first is exceeded. To be regulated in the operating manual if necessary.
	Treated waste wood (glued, painted, coated) with PVC content and/or heavy metal enrichment, without wood preservative (waste wood A3)	R-05				(√)	(√)	✓	Individual approval is needed for EBC-Urban and EBC- ConsumeMaterials, Synthetic binder, coatings and/or plastic contamination must in total not exceed 1% and 10% for EBC Urban and EBC-ConsumeMaterials/EBC-BasicMaterials, respective, More frequent analysis on PCDDIF and heavy metals may be specified int preating manual if necessary.
	Waste wood with wood preservatives (vaste wood A4)	R-06				(√)	(√)	✓	Individual approval is needed for EBC-Urban and EBC- ConsuméMateriais: Producer must demonstrate complete thermal elimination of wood preservatives by the pytoplesi conditions applied. Synthetic binder, coalings and/or plastic contamination must in total not Seeman of the production of the productio
	Residues from industrial biomass processing	R-07		(√)	(√)	(√)	(√)	(√)	Each individual feedstock needs to be evaluated by the EBC, and a special permit issued regulating additives, processing, controlling. R-07 feedstock are only permitted with the signed EBC process assessment.
	Paper fibre sludge	I-01		✓	<b>√</b>	✓	✓	✓	Only from chemically untreated wood fibers, a pollutant analysis of the paper fiber sludge must be available.
Kitchen and canteen waste	Kitchen, canteen and restaurant residues	K-01			<b>√</b>	<b>√</b>	✓	<b>√</b>	Contamination by plastic must not exceed 1% (10% for EBC- ConsumerMaterials and EBC-BasicMaterials, individual approval needed).
	Material from washing, cleaning, peeling, centrifuging and separation processes	N-01		<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	The soil or sand content is considered an additive and must not exceed 10% of the DM.
Food processing residues on vegetable basis, from food industry and manufactures, food wholesale, supermarkets, convivence stores etc.	Pomace, kemels, husks, grist or press residues (e.g. from oil mills,	N-02	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	
	spent grains)  Expiered food residues	N-03		\ \ \ \	\ \ \ \ \	/			Only vegetable food. Contamination by plastic must not exceed 1% (10% for EBC-ConsumerMaterials and EBC-BasicMaterials, individual
	Manufacturing residues from the production of canned food	N-04		\ \ \ \		\ \ \ \			approval needed). only pure vegetable residues
	Residues from spices and seasoning	N-04	<b>/</b>	✓ ✓	√ √	<b>√</b>	✓ ✓	√ √	y
	Residues from potato, com or rice starch production	N-06	<i>\</i>	<b>√</b>	<b>√</b>	<b>√</b>	<i>√</i>	<b>√</b>	
	Fruit, grain and potato mashes, alcohol distillery residues	N-07	✓	✓	✓	✓	✓	<b>√</b>	
	Malt spent grains, -germ, and dust from beer production, hop spent grains, lees and sludge from breweries	N-08	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	
	Pomace, wine lees, sludge from vinification	N-09	1	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	√	
	Tobacco, tobacco dust, -grit, -ribs, -sludge	N-10		· √	· √	· √	<i>√</i>	· ✓	
	Tea and coffee grounds	N-11		<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	
	Fruits	N-12	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	√ /	<b>√</b>	
	Molasses residues	N-13	<b>✓</b>	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	√ /	Eligibility for EBC-C-sink must be reviewed separately, carbon from peat
	Mushroom substrates	N-15		_ ✓	_ ✓	✓	✓	✓	must not be credited.

	Residues from the processing of coffee (silver skin), cocoa (press residues) or tea.	N-16	✓	✓	✓	✓	✓	✓	
Water maintenance &	Screenings, floating debris, mowed material	W-01		✓	✓	✓	<b>✓</b>	✓	Contamination by plastic must not exceed 1% (10% for EBC- ConsumerMaterials and EBC-BasicMaterials, individual approval needed).
vegetal marine biomass	Aquatic plants and algae	W-02	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	✓	<b>√</b>	For EBC-Feed: only from aquaculture or dedicated collection of aquatic plants to strictly avoid impurities. Special attention must be taken in regard to contaminated water. Systems with no direct control of water quality need a special permit from CSI and proof of origin.
Textiles	Cellulose, cotton and plant fibers	T-01		✓	✓	✓	✓	✓	The content of synthetic fibers must not exceed 1% (10% for EBC- ConsumerMaterial and EBC-BascMaterials, individual approval needed). For AgroOrganic, the fibers must not be dyed or otherwise chemically treated.
1	Fibers of hemp, sisal, etc.	T-02		<b>√</b>	<b>√</b>	✓	✓	<b>\</b>	
Anaerobic digestion	Non-animal digestate	G-01		(√)	✓	✓	<b>✓</b>	✓	The proportion of animal source materials for the biogas plant must be less than 40%. Contamination of the digestate by plastic must not exceed 1% (10% for EBC-Consumentaletains and EBC-BaschMaterials, individual approval needed). For EBC-AgnOrganic, only digestate from agricultural biomasses or biomasses approved for EBC-AgnOrganic production.

## Additives

Additives serve to improve pyrolysis conditions and blochar quality. Their share in the pyrolysed blomass must not exceed 10% DM in total. Higher dosages require individual approval.

Group	Feedstock							Special requirements
	Lime	Z-01	✓	✓	✓	✓	✓	
	Bentonite	Z-02	✓	✓	✓	✓	✓	
	Rock powder	Z-03	✓	✓	✓	✓	✓	
	Argile	Z-04	✓	✓	✓	✓	✓	
	Clay	Z-05	✓	✓	✓	✓	✓	
	Soil	Z-06	✓	✓	✓	✓	✓	
	Wood- und plant ashes	Z-07	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	✓	Only certified ashes. Approved are RAL-quality (Bundesgütegemeinschaft Holzasche, Germany) ash. Further ashes on request. The instruction manual may include additional analyses and limit values for ash (for Switzerland).

The inclusion of other biomasses and additives not included in the positive list can be applied for at CSI.

The decision about the inclusion in the positive list as well as possible additional requirements will be made by the scientific advisory board of the EBC.

For difficult decisions such as sewage studge or livestock manure, a scientific report is prepared.

All decisions are justified and published on the EBC website.