

Package - Id 23

Created by: WeeeSys 17-01-2019, Date of background lists: 17-01-2019

Package name	shredder input LA	Calc. model	WEEE Dir. 2012/19/EU, WFD 2008/98/EC
May be used by	Treatment partner A	WEEE-system	DEMO system
Output fraction	16 02 14 / 01 - large (household) appliances shredder input (excl. components to be removed)		
Internal name and code of output fraction		Remarks	

All fractions, acceptors/technologies and composition-data

Treatment partner A (nat. market)		large shredder / separation		I	100,0000 %
* 19 10 06 / 03	sieving material - no haz.sub. and plastics below ROHS/REACH values	Fines			5,0000 %
internal (nat. market)		separation		I	100,0000 %
** 19 12 03 / 03-2	aluminium fraction 'pure'				1,0000 %
Al smelter 1 (DE)		Al smelter		F	100,0000 %
Al		Al > Al recovery	R	R	100,0000 %
** 19 12 03 / 04-2	copper and grey metals mixture 'pure'				6,0000 %
Cu smelter 1 (DE)		Cu smelter 'traditional'		F	100,0000 %
Cu		Cu > Cu recovery	R	R	50,0000 %
other metals		other metals > metal recovery	R	R	50,0000 %
** 19 12 09 / 02-2	concrete 'fines' 'pure'				72,0000 %
landfill X (nat. market)		road construction and defined construction purposes		F	100,0000 %
other inorganic fractions		mineral fraction > used for feedstock substitution in defined products of construction material	R	R	99,0000 %
organic residues		organic residues > other use			1,0000 %
** 19 12 12 / 01	residues from separation - no hazardous substances and plastics below ROHS/REACH values				21,0000 %
landfill X (nat. market)		landfill		F	100,0000 %
mixed fractions - disposal		no use - 'cold technologies'	LD	LD	100,0000 %
* 19 12 02 / 01-2	iron fraction 'pure'				60,0000 %
Steel S (nat. market)		steel mill 'traditional'		F	100,0000 %
Fe / stainless steel		Fe > Fe recovery	R	R	100,0000 %
* 19 12 03 / 03-1	aluminium fraction 'not pure'	Al > xx mm + circuit boards			2,0000 %
internal (nat. market)		manual sorting		I	100,0000 %
** 19 12 03 / 03-2	aluminium fraction 'pure'				98,0000 %
Al smelter 1 (DE)		Al smelter		F	100,0000 %
Al		Al > Al recovery	R	R	100,0000 %
** 19 12 11* / 08-2	circuit board fraction				2,0000 %
Cu smelter 2 (nat. market)		Cu smelter 'special'		F	100,0000 %
Cu		Cu > Cu recovery	R	R	20,0000 %
other metals		other metals > metal recovery	R	R	4,0000 %
organic residues		organic residues > used as reducing agent (C as CO2 emissions)	OMR	OMR	38,0000 %
organic residues		organic residues > used for fuel substitution	ER	ER	38,0000 %
* 19 12 03 / 03-3	aluminium-iron fraction 'pure'	Al + Fe			0,0500 %
Al smelter 2 (IT)		Al smelter		F	100,0000 %
Al		Al > Al recovery	R	R	90,0000 %
Fe / stainless steel		Fe > used as reducing agent > Fe to slag > slag as by-product or as defined product for use	R	R	10,0000 %
* 19 12 03 / 04-2	copper and grey metals mixture 'pure'	heavy non-ferrous > xx mm			3,0000 %
internal (nat. market)		separation		I	100,0000 %
** 19 12 02 / 02-2	stainless steel 'pure'				50,0000 %
SS works1 (DE)		stainless steel works		F	100,0000 %
Fe / stainless steel		stainless steel > metal recovery	R	R	100,0000 %
** 19 12 03 / 05-2	copper and copper alloys 'pure'	red copper			13,0000 %
Cu smelter 2 (nat. market)		Cu smelter 'special'		F	100,0000 %
Cu		Cu > Cu recovery	R	R	100,0000 %
** 19 12 03 / 05-2	copper and copper alloys 'pure'	yellow copper			15,0000 %
Cu smelter 2 (nat. market)		Cu smelter 'special'		F	100,0000 %
Cu		Cu > Cu recovery	R	R	100,0000 %
** 19 12 03 / 06-2	non-ferrous metals grey 'pure'				19,0000 %
diff. smelters (non-EU/EFTA)		other metal smelters		F	100,0000 %
other metals		other metals > metal recovery	R	R	100,0000 %
** 19 12 03 / 07-2	lead 'pure'				3,0000 %
Pb smelter x (AT)		Pb smelter		F	100,0000 %
other metals		Pb > Pb recovery	R	R	100,0000 %
* 19 12 03 / 08-2	cable fraction	Cu bundels			0,1000 %
Cu smelter 1 (DE)		Cu smelter 'traditional'		F	100,0000 %
Fe / stainless steel		Fe > used as reducing agent > Fe to slag > slag as by-product or as defined product for use	R	R	5,0000 %
Cu		Cu > Cu recovery	R	R	45,0000 %
organic residues		organic residues > no definite use in smelter	TD	TD	50,0000 %
* 19 12 04 / 01-1	plastics and rubber 'pieces' 'not pure' - below ROHS/REACH values	Al/Mg/rubber			1,5000 %
internal (nat. market)		manual sorting		I	100,0000 %

**	19 12 03 / 03-2	aluminium fraction 'pure'				2,0000 %
	Al smelter 1 (DE)	Al smelter			F	100,0000 %
	Al	Al > Al recovery	R	R		100,0000 %
**	19 12 12 / 01	residues from separation - no hazardous substances and plastics below ROHS/REACH values				98,0000 %
	diff. landfills (EU/EFTA)	landfill			F	100,0000 %
	mixed fractions - disposal	no use - 'cold technologies'	LD	LD		100,0000 %
*	19 12 04 / 02-1	hard plastics 'pieces' 'not pure' - below ROHS/REACH values				4,0000 %
	plastic cond.1 (NL)	plastics conditioning			I	100,0000 %
**	19 12 04 / 02-2	hard plastics 'pieces' 'pure' - below ROHS/REACH values				80,0000 %
	plastic rec./market (non-EU/EFTA)	plastics recycling			F	100,0000 %
	plastics	plastics > production of plastics or granulates	R	R		100,0000 %
**	19 12 12 / 01	residues from separation - no hazardous substances and plastics below ROHS/REACH values				20,0000 %
	landfill X (nat. market)	landfill			F	100,0000 %
	mixed fractions - disposal	no use - 'cold technologies'	LD	LD		100,0000 %
*	19 12 09 / 01	mineral fraction 'not pure'				8,0000 %
	Treatment partner A (nat. market)	separation			I	100,0000 %
**	19 12 03 / 08-2	cable fraction				2,0000 %
	cable shredders xx (EU/EFTA)	fine shredder / separation			I	100,0000 %
***	19 12 03 / 01-2	non-ferrous metals with iron 'pure'				40,0000 %
	Cu smelter 1 (DE)	Cu smelter 'traditional'			F	100,0000 %
	Cu	Cu > Cu recovery	R	R		85,0000 %
	Fe / stainless steel	Fe > used as reducing agent > Fe to slag > slag as by-product or as defined product for use	R	R		5,0000 %
	other metals	other metals > metal recovery	R	R		10,0000 %
***	19 12 12 / 01	residues from separation - no hazardous substances and plastics below ROHS/REACH values				60,0000 %
	est. landfills (EU/EFTA)	landfill			F	100,0000 %
	mixed fractions - disposal	no use - 'cold technologies'	LD	LD		100,0000 %
**	19 12 09 / 02-2	concrete 'fines' 'pure'				98,0000 %
	landfill X (nat. market)	road construction and defined construction purposes			F	100,0000 %
	other inorganic fractions	mineral fraction > used for feedstock substitution in defined products of construction material	R	R		100,0000 %
*	19 12 10 / 01	mixture of combustible wastes - conditioned for incineration - no hazardous substances and plastics below ROHS/REACH values				1,9000 %
	incinerator1 (nat. market)	co-incineration - with ER			F	100,0000 %
	plastics	plastics > used for fuel substitution	ER	ER		100,0000 %
*	19 12 12 / 01	residues from separation - no hazardous substances and plastics below ROHS/REACH values				14,4500 %
	MWI Z (nat. market)	municipal waste incineration			F	100,0000 %
	mixed fractions - disposal	no use - 'hot technologies'	TD	TD		100,0000 %

The information contained in this document is part of the WF-RepTool demo-version and exclusive property of the WEEE Forum. The information is provided without warranties (garantie) of any kind and is intended solely for the exclusive purpose of allowing authorized WF-RepTool users to report treatment results of Waste Electrical and Electronic Equipment in a uniform manner and to calculate recycling and recovery quotas achieved. Users are not allowed to display or print the information provided, except for their own, non-commercial, use. If you have received this information in error, please notify info@wf-reptool.org immediately and then destroy all electronic and physical copies.