

### Acceptance Criteria of Waste Co-Incineration Plant Hamburger Hungaria Ltd.

**EWC-numbers:** 03 03 07

For acceptance and treatment in the facility, the waste must fulfil the following requirements:

**Mechanical requirement:**

Delivery form:	bulk material	Size	max.	200 mm
		Excess lengths		not permitted
		Fine particles	≤	10 wt %
Bulk density:	min: 100 kg/m <sup>3</sup> , max: 300 kg/m <sup>3</sup> ,	Free water		not permitted
		Consistency		solid

**Limited contaminants:**

Sum of ceramic, glass, stones	wt %	< 1 %	<b>max size:</b> 30 mm x 30 mm x 10 mm
Magnetisable metals altogether	wt %	< 0 %	_____
Non magnetisable metals (metallic Al for example foils) altogether	wt %	< 0 %	_____

**The following are to be excluded from the waste delivery:**

- Fireworks, explosive, ammunition, radioactive substances, pressurized gas cylinders
- Medicines, paints, solvents, other dangerous waste (e.g. accumulators, battery), waste from healthcare
- Vehicle tires, car parts, white goods
- Stones, earth, construction waste, compact metal parts, big bag, woven bag

**Wastes shipped are not contaminated with other species nor contain unlisted chemicals to the extent that would be harmful for the combustion process or cause corrosion and/ or erosion.**

Parameter	Unit	Minimum	Maximum
Lower heating value as received	MJ/kg	10	28
<b>Moisture content</b>	wt %	10	37
<b>The below listed parameters concerning to dry condition:</b>		<b>Minimum</b>	<b>Maximum</b>
Ash content dry	wt %	5	30
Na + K in Ash	wt %		5
<b>The below listed parameters concerning to dry condition:</b>		<b>Median</b>	<b>Maximum</b>
Chlorine (Cl) dry	wt %	0,7	0,8
Sulfur (S) dry	wt %	0,5	0,6
Fluor (F) dry	wt %	0,07	0,1
Phosphor (P)	wt %	0,1	0,25
<b>Ash analysis</b>		<b>Median</b>	<b>Maximum</b>
Antimony (Sb)	mg/kg	25	60
Arsenic (As)	mg/kg	5	13
Lead (Pb)	mg/kg	50	100
Cadmium (Cd)	mg/kg	4	9
Chromium (Cr)	mg/kg	125	250
Cobalt (Co)	mg/kg	6	12
Copper (Cu)	mg/kg	100	150
Manganese (Mn)	mg/kg	250	500
Nickel (Ni)	mg/kg	80	160
Mercury (Hg)	mg/kg	0,3	0,6
Thallium (Tl)	mg/kg	1	2
Vanadium (V)	mg/kg	10	25
Zinc (Zn)	mg/kg	250	500
Tin (Sn)	mg/kg	30	70
PCB (Polychlorinated Biphenyl)	mg/kg		0
PCP (Pentachlorophenol)	mg/kg		0