

Appendix 2. Composition Analysis 2022

		% Composition kerbside residual waste							
Borough						Havering			
LOAC Category						A			
Number of households						40			
Paper	Paper packaging - recyclable				0.9%				0.8%
	Paper packaging - not recyclable				0.3%				0.3%
	Non-packaging paper - recyclable				2.9%				1.9%
	Non-packaging paper - not recyclable				4.8%				4.5%
Cardboard	Card packaging - recyclable				3.1%				3.6%
	Card packaging - not recyclable				0.0%				0.0%
	Cartons and card/plastic laminates				0.8%				0.4%
	Non-packaging card - recyclable				0.2%				0.0%
Plastic films and flexibles	Non-packaging card - not recyclable				0.1%				0.1%
	Plastic film – packaging				3.0%				2.0%
	Plastic film – non-packaging				2.0%				1.8%
	Single use carrier bags				0.7%				0.8%
Dense plastic	Plastic/foil laminates				1.0%				0.5%
	HDPE bottles				0.4%				0.8%
	On the go PET bottles				0.1%				0.3%
	Other PET bottles				0.4%				0.2%
	Other plastic bottles				0.3%				0.5%
	Pots, tubs and trays				3.3%				2.1%
	Non-packaging plastic				2.4%				1.5%
Glass	On the go glass bottles				0.4%				1.0%
	Other glass bottles				0.8%				1.6%
	Glass jars				1.7%				2.4%
	Non-container glass				0.3%				0.1%
Ferrous metal	On the go ferrous drinks cans				0.5%				0.0%
	Other ferrous cans				0.0%				0.0%
	Aerosols				0.0%				0.1%
	Other ferrous packaging				0.5%				0.8%
	Other non-packaging ferrous metal				0.5%				0.8%
Non-ferrous metal	On the go non-ferrous drinks cans				0.1%				0.1%
	Other non-ferrous cans				0.2%				0.4%
	Aerosols				0.2%				0.1%
	Foil packaging				0.4%				0.2%
	Non-packaging foil				0.5%				0.3%
	Other non-ferrous packaging				0.0%				0.0%
	Other non-packaging non-ferrous metal				0.3%				0.0%
Textiles	Clothing				1.8%				2.4%
	Shoes, bags, belts and other textile accessories				0.5%				0.3%
	Non-clothing fabric and textiles inc. soft furnishings				2.1%				0.8%
Food and drink	Food and drink (avoidable) – in packaging				20.1%				14.6%
	Food (avoidable) – loose in the bin				10.5%				10.5%
	Associated inedible parts of food (unavoidable)				13.9%				14.2%
	Cooking oil (in packaging but where oil is the bulk of the weight)				0.0%				0.0%
Garden waste	Mowing, cutting and pruning waste (green or woody garden waste)				2.2%				4.7%
	Wooden packaging				0.1%				0.0%

Wood	Non-packaging wood				0.4%				0.2%
	Rock, stone, rubble and other non-organics				0.0%				0.0%
	Plasterboard				0.0%				0.0%
	Soil				0.1%				1.7%
Inorganic materials	Ceramics and pottery				0.4%				0.5%
	Small domestic appliances				0.0%				0.6%
	Cables and chargers				0.3%				0.1%
	Batteries				0.1%				0.1%
	Light bulbs and tubes				0.1%				0.0%
Electrical and electronic items and associated parts	Ink and toner cartridges				0.0%				0.0%
	Other WEEE and associated consumables				0.1%				0.0%
	Absorbent hygiene waste				3.1%				10.0%
	Healthcare wastes				0.2%				0.2%
	Pet excrement and cat litter				3.6%				4.4%
	Synthetic and natural rubber items				0.2%				0.1%
Other	Other				6.0%				3.7%
Fines	Fines				1.1%				1.0%
	Total				100.0%				100.0%

Borough			Having			Having
LOAC Category			H			A
Paper			8.8%			7.5%
Cardboard			4.3%			4.1%
Plastic films and flexibles			6.6%			5.0%
Dense plastic			6.8%			5.3%
Glass			3.2%			5.2%
Ferrous metal			1.6%			1.7%
Non-ferrous metal			1.7%			1.1%
Textiles			4.5%			3.5%
Food and drink			44.5%			39.3%
Garden waste			2.2%			4.7%
Wood			0.5%			0.2%
Inorganic materials			0.5%			2.3%
Electrical and electronic items and associated parts			0.7%			0.8%
Other			13.1%			18.3%
Fines			1.1%			1.0%
Total			100.0%			100.0%

Borough			Having			Having
LOAC Category			H			A
Recyclable using borough's current service			9.3%			8.8%
Recyclable at MRF			16.4%			16.5%
Proportion of food waste			44.5%			39.3%
Proportion of garden waste			2.2%			4.7%
Potentially affected by DRS - On the Go			1.1%			1.4%
Potentially affected by DRS - All In			2.6%			3.6%
Potentially affected by packaging EPR			17.9%			17.8%

		Kg/household/week kerbside residual waste						
Borough					Havering		Havering	
LOAC Category					H		A	
Number of households					40		40	
Paper	Paper packaging - recyclable				0.09			0.09
	Paper packaging - not recyclable				0.03			0.03
	Non-packaging paper - recyclable				0.29			0.24
	Non-packaging paper - not recyclable				0.49			0.55
Cardboard	Card packaging - recyclable				0.32			0.44
	Card packaging - not recyclable				0.00			0.00
	Cartons and card/plastic laminates				0.08			0.05
	Non-packaging card - recyclable				0.02			0.00
Plastic films and flexibles	Non-packaging card - not recyclable				0.01			0.01
	Plastic film – packaging				0.30			0.24
	Plastic film – non-packaging				0.20			0.22
	Single use carrier bags				0.07			0.09
Dense plastic	Plastic/foil laminates				0.10			0.07
	HDPE bottles				0.04			0.09
	On the go PET bottles				0.01			0.03
	Other PET bottles				0.04			0.03
	Other plastic bottles				0.03			0.06
	Pots, tubs and trays				0.33			0.26
	Non-packaging plastic				0.24			0.18
Glass	On the go glass bottles				0.04			0.12
	Other glass bottles				0.09			0.20
	Glass jars				0.18			0.30
	Non-container glass				0.03			0.02
Ferrous metal	On the go ferrous drinks cans				0.05			0.00
	Other ferrous cans				0.00			0.00
	Aerosols				0.00			0.02
	Other ferrous packaging				0.05			0.10
	Other non-packaging ferrous metal				0.05			0.09
Non-ferrous metal	On the go non-ferrous drinks cans				0.01			0.02
	Other non-ferrous cans				0.02			0.05
	Aerosols				0.02			0.01
	Foil packaging				0.04			0.02
	Non-packaging foil				0.05			0.04
	Other non-ferrous packaging				0.00			0.00
	Other non-packaging non-ferrous metal				0.03			0.00
Textiles	Clothing				0.19			0.30
	Shoes, bags, belts and other textile accessories				0.05			0.03
	Non-clothing fabric and textiles inc. soft furnishings				0.21			0.09
Food and drink	Food and drink (avoidable) – in packaging				2.04			1.78
	Food (avoidable) – loose in the bin				1.07			1.28
	Associated inedible parts of food (unavoidable)				1.41			1.74
	Cooking oil (in packaging but where oil is the bulk of the weight)				0.00			0.00
Garden waste	Mowing, cutting and pruning waste (green or woody garden waste)				0.22			0.57
	Wooden packaging				0.01			0.00

Wood	Non-packaging wood				0.04				0.02
	Rock, stone, rubble and other non-organics				0.00				0.00
	Plasterboard				0.00				0.00
	Soil				0.01				0.21
Inorganic materials	Ceramics and pottery				0.04				0.06
	Small domestic appliances				0.00				0.07
	Cables and chargers				0.03				0.01
	Batteries				0.01				0.01
	Light bulbs and tubes				0.01				0.00
Electrical and electronic items and associated parts	Ink and toner cartridges				0.00				0.00
	Other WEEE and associated consumables				0.01				0.00
	Absorbent hygiene waste				0.31				1.22
	Healthcare wastes				0.02				0.02
	Pet excrement and cat litter				0.36				0.54
	Synthetic and natural rubber items				0.03				0.01
Other	Other				0.61				0.45
Fines	Fines				0.12				0.12
	Total				10.18				12.21

Borough			Having			Having
LOAC Category			H			A
Paper			0.90			0.91
Cardboard			0.44			0.50
Plastic films and flexibles			0.67			0.62
Dense plastic			0.70			0.65
Glass			0.33			0.63
Ferrous metal			0.16			0.21
Non-ferrous metal			0.17			0.14
Textiles			0.45			0.43
Food and drink			4.53			4.80
Garden waste			0.22			0.57
Wood			0.05			0.02
Inorganic materials			0.05			0.28
Electrical and electronic items and associated parts			0.07			0.10
Other			1.33			2.23
Fines			0.12			0.12
Total			10.18			12.21

Borough			Having			Having
LOAC Category			H			A
Recyclable using borough's current service			0.95			1.08
Recyclable at MRF			1.67			2.01
Arising of food waste within residual			4.53			4.80
Arising of garden waste within residual			0.22			0.57
Potentially affected by DRS - On the Go			0.12			0.17
Potentially affected by DRS - All In			0.26			0.44
Potentially affected by packaging EPR			1.83			2.17