

Report Date: 2025-05-02 22:06:47

## Input Data:

Waste Type: Municipal

Total Waste Mass: 1000.00 kg

## Waste Composition:

Plastic: 47.37%

Paper & Cardboard: 15.79%

Textiles: 5.26%

Biogenic Waste: 21.05%

Inert Materials: 5.26%

Other Materials: 5.26%

Initial Moisture Content: 43.90%

## Contaminants:

Chlorine: 1.0000%

Mercury (Median): 0.0030 mg/MJ

Mercury (80th): 0.0020 mg/MJ

## Process Configuration:

Selected Process Steps:

- Presorting
- Primary Shredding
- Mechanical Separation
- Drying

- Secondary Shredding

Primary Drying Method: Biodrying

Moisture after primary drying: 17%

Secondary Drying Method: Rotary Drum

Final moisture content: 10%

## Results:

Final SRF Mass: 443.42 kg

Effective Moisture: 10.00%

Heating Value (HHV): 23.71 MJ/kg

Total Energy: 10513.63 MJ

Coal Equivalent: 438.07 kg

Oil Equivalent: 250.32 kg

## SRF Classification (EN 15359):

Overall Class: 3

NCV: 20.0 MJ/kg (Class 2)

Chlorine: 1.00% (Class 3)

Mercury: Median=0.003 mg/MJ, 80th=0.002 mg/MJ (Class 1)