

SRF PRODUCTION REPORT

Report Date: 2025-05-02 21:36:51

Input Data:

Waste Type: Municipal

Total Waste Mass: 1000.00 kg

Waste Composition:

Plastic: 39.13%

Paper & Cardboard: 17.39%

Textiles: 13.04%

Biogenic Waste: 21.74%

Inert Materials: 4.35%

Other Materials: 4.35%

Initial Moisture Content: 44.40%

Contaminants:

Chlorine: 1.0000%

Mercury (Median): 0.0040 mg/MJ

Mercury (80th): 0.0040 mg/MJ

Process Configuration:

Selected Process Steps:

- Presorting
- Primary Shredding
- Mechanical Separation
- Drying

- Secondary Shredding

Primary Drying Method: Solar Tunnel

Moisture after primary drying: 20%

Secondary Drying Method: Rotary Drum

Final moisture content: 10%

Results:

Final SRF Mass: 458.57 kg

Effective Moisture: 10.00%

Heating Value (HHV): 22.43 MJ/kg

Total Energy: 10287.95 MJ

Coal Equivalent: 428.66 kg

Oil Equivalent: 244.95 kg

SRF Classification (EN 15359):

Overall Class: 3

NCV: 18.9 MJ/kg (Class 3)

Chlorine: 1.00% (Class 3)

Mercury: Median=0.004 mg/MJ, 80th=0.004 mg/MJ (Class 1)