

## Evaluation of low heating value and moisture of solid refuse fuels in Korea

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This study is to verify the correspondence of the various refuse derived fuels manufactured by 184 authenticated domestic manufacturers to the standards for the quality and grade such as in low-heating value, contents of moisture. Through the analysis, the study will show the current problems of the post management and quality management of refuse derived fuels and propose the methods for enhancing the effectiveness and the reliability on refuse derived fuels as one of the alternative energy sources. The study has examined 60 samples from pellet type SRF, 46 from non pellet type SRF, 21 from pellet type Bio-SRF and 57 from non pellet type Bio-SRF (total 184 samples) and in result, 20.0% of the samples pellet type SRF, non pellet type SRF sample of 4.35%, non pellet type Bio-SRF sample of 8.77% are does not pass the standards for the quality and grade. In total, 10.33% of the sample was rejected. We consider that the quality of moisture content with solid fuel in Korean standards is appropriate. And also Heating Value for Bio-SRF satisfies Minimum standards as fuel.

### Biography

Sohee Park is a graduate in Environmental Engineering, Korea University. She is currently working in the team of the hazardous substance analysis, Korea Environment Corporation.

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