

Solid Waste Characterization Survey

Emirates Airlines Flight Catering Facility Dubai

EDESSA was commissioned by the **AVERDA Group** to conduct a **Waste Characterization Survey** of the solid waste generated from the Emirates Airline Flight Catering Facility (EKFC) located at Dubai Airport. This characterization study was conducted based on ASTM standard D-5231, "**Standard Test Method for Determination of the composition of Unprocessed Municipal Solid Waste**". This standard describes a procedure for measuring the composition of unprocessed Solid Waste by employing manual sorting.

The objective of this study was to determine the composition of various wastes generated at the facility, in order to consider and develop sustainable management and treatment alternatives; especially recycling potentials.



The mean composition of MSW is determined based on the collection and manual sorting of a pre-determined number of waste samples over a selected time period. The recommended number of samples collected was based on a 90% confidence interval and a 20% precision as per the recommendations of ASTM D 5231 for a one week survey.

0

The survey results were presented in a comprehensive report which included dozens of graphs and charts reflecting the findings, along with detailed analysis and recommendations. Survey results were to be used to assess Carbon Credit Schemes as part of the CDM.

