



# Test Report

REPORT No.: SH/ENV6110003

DATE RECEIVED: 11/02/2006

DATE REPORTED: 11/28/2006

SAMPLE (S): Emission of production line for pyrolyzing scrap tires (Capacity: 10000 tons per year) (1)

## INORGANIC ANALYSIS

Report No.: SH/ENV6110003

Lab ID	6110003-01	6110003-02	6110003-03
Customer ID	Emission Point1-1	Emission Point1-2	Emission Point1-3
Date Sampled	11/02/2006	11/02/2006	11/02/2006
Date Received	11/02/2006	11/02/2006	11/02/2006

ITEM		UNIT	Exhausted air	Exhausted air	Exhausted air
Stack emission	Humidity	%	2.02		
	Emission conc.	mg/m <sup>3</sup>	0.32	0.039	0.0025
	Emission rate	kg/h	1.42×10 <sup>-4</sup>		
Cd	Emission conc.	mg/m <sup>3</sup>	<0.008	<0.008	<0.008
	Emission rate	kg/h	4.36×10 <sup>-6</sup>		
Pb	Emission conc.	mg/m <sup>3</sup>	<0.08	0.116	<0.08
	Emission rate	kg/h	4.36×10 <sup>-5</sup>		
HCl	Emission conc.	mg/m <sup>3</sup>	<0.8	<0.8	<0.8
	Emission rate	kg/h	4.36×10 <sup>-4</sup>		
Benzene	Emission conc.	mg/m <sup>3</sup>	<0.06	<0.06	<0.06
	Emission rate	kg/h	2.91×10 <sup>-5</sup>		
Toluene	Emission conc.	mg/m <sup>3</sup>	<0.06	<0.06	<0.06
	Emission rate	kg/h	2.91×10 <sup>-5</sup>		
Xylene	Emission conc.	mg/m <sup>3</sup>	<0.06	<0.06	<0.06
	Emission rate	kg/h	2.91×10 <sup>-5</sup>		
Formaldehyde	Emission conc.	mg/m <sup>3</sup>	<0.18	<0.18	<0.18

	Emission rate	kg/h	1.02×10 <sup>-4</sup>		
Hg	Emission conc.	mg/m <sup>3</sup>	<0.01	<0.01	0.02
	Emission rate	kg/h	7.27×10 <sup>-6</sup>		
Fluoride	Emission conc.	mg/m <sup>3</sup>	0.79	0.81	0.79
	Emission rate	kg/h	8.72×10 <sup>-4</sup>		
SO <sub>2</sub>	Emission conc.	mg/m <sup>3</sup>	<3.0	<3.0	<3.0
	Emission rate	kg/h	1.45×10 <sup>-3</sup>		
CO	Emission conc.	mg/m <sup>3</sup>	39.4	31.6	26.3
	Emission rate	kg/h	0.036		
NO <sub>x</sub>	Emission conc.	mg/m <sup>3</sup>	62.6	53.6	31.3
	Emission rate	kg/h	0.054		
H <sub>2</sub> S	Emission conc.	mg/m <sup>3</sup>	1.60	3.91	9.18
	Emission rate	kg/h	6.33×10 <sup>-3</sup>		
Dioxin	Emission conc.	ng/m <sup>3</sup>	0.00240		

Stack temperature: 21 ℃;

Stack velocity of flow: 3.88m/s;

Sack flow: 2907m<sup>3</sup>/h.