

## CERTIFICATE OF ANALYSIS

CERTIFICATE NO : CN 09121 - 2017  
Date of Issue : 05/10/2017  
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Lab Ref No. : 4284/2017 - 01

**Company** : **Alam Avani Sdn. Bhd.** *Attention* : *Mr. Dave*  
2-06, Block 2, Ground Floor,  
Condo Prima U1,  
Jalan Kerjaya, Seksyen 41,  
Selangor, Darul Ehsan.

Date Samples Received : 25/09/2017  
Date Sampling : 25/09/2017  
No. of Sample : 1 Stack sample  
Sample Marking : 4284 - Blackhole (Magnetic Heat)  
Sampling : Samples were collected by client.

### Results of Analysis: Results are based on samples submitted by customer unless otherwise stated.

No	Parameter	Unit	4284	#Limit	Method of Analysis
1.	*Total Particulate Matter	mg/m <sup>3</sup>	40	100	APHA IC 11101-01-70T
2.	Hydrogen Chloride as HCl	mg/m <sup>3</sup>	ND<0.005	40	USEPA 0050
3.	SO <sub>x</sub>	mg/m <sup>3</sup>	<b>63</b>	50	FEM - 7 V1.3 - Portable Combustion Analyzer
4.	NO <sub>x</sub>	mg/m <sup>3</sup>	9.69	100	FEM - 7 V1.3 - Portable Combustion Analyzer
5.	Carbon Monoxide as CO	mg/m <sup>3</sup>	<b>74</b>	50	FEM - 7 V1.3 - Portable Combustion Analyzer
6.	Cadmium as Cd	mg/m <sup>3</sup>	ND<0.002	0.05	USEPA 29
7.	**Thallium as Th	mg/m <sup>3</sup>	ND<0.01	0.05	APHA 3120 B (2005)
8.	Mercury as Hg	mg/m <sup>3</sup>	ND<0.001	0.05	USEPA 29
9.	Antimony As Sb	mg/m <sup>3</sup>	ND<0.01	0.5	USEPA 29
10.	Arsenic As As	mg/m <sup>3</sup>	ND<0.001	0.5	USEPA 29
11.	Lead As Pb	mg/m <sup>3</sup>	ND<0.01	0.5	USEPA 29
12.	Chromium As Cr	mg/m <sup>3</sup>	ND<0.02	0.5	USEPA 29
13.	*Cobalt As Co	mg/m <sup>3</sup>	ND<0.01	0.5	ICP - OES
14.	Copper As Cu	mg/m <sup>3</sup>	ND<0.01	0.5	USEPA 29
15.	Manganese As Mn	mg/m <sup>3</sup>	ND<0.02	0.5	USEPA 29
16.	Nickel As Ni	mg/m <sup>3</sup>	ND<0.01	0.5	USEPA 29
17.	**Vanadium As V	mg/m <sup>3</sup>	ND<0.01	0.5	ICP - OES
18.	Hydrogen Fluoride as HF	mg/m <sup>3</sup>	ND<0.001	1	USEPA 13 A
20.	Dark Smoke	-	0	Not darker than the Shade No. 1 of the Ringelmann Chart	BS 274:1957

ND: Not Detectable

\*SAMM Accredited

\*\*Sub-Contracted to Accredited Laboratory

#Standard limits as stipulated in Third Schedule (Waste incinerators in all sizes) Regulation 13 Third Schedule CAR (2014)