

CERTIFICATE OF ANALYSIS**ALFRED H KNIGHT**

MD RECYCLING LTD
UNIT 1 CRUGMORE FARM
CARDIGAN
CEREDIGION
SA43 1RD
UNITED KINGDOM

Certificate No : 445158/2
Sample Ref. : Construction Wood Waste
Date Reported : 14th August 2026

Analytical Parameter	Units	Result
Stone Content	%	< 0.1
Moisture Content @ 35°C	%	18.6
Asbestos in Soil	Type	Not Detected

General Inorganics	Units	Result
pH	-	7.2
Total Cyanide	mg/kg	< 2.0
Sulphate (Acid Soluble)	%	0.05

Total Phenols	Units	Result
Total Phenols (monohydric)	mg/kg	< 5.0

Brian Neil

Senior Client Services Coordinator

For and on behalf of ALFRED H KNIGHT ENERGY SERVICES LIMITED

**Alfred H Knight Energy Services Limited**

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Speciated PAHs	Units	Result
Acenaphthene	mg/kg	0.23
Acenaphthylene	mg/kg	0.37
Anthracene	mg/kg	0.88
Benzo (a) anthracene	mg/kg	0.68
Benzo (a) pyrene	mg/kg	0.21
Benzo (b) fluoranthene	mg/kg	0.29
Benzo (g, h, i) perylene	mg/kg	< 0.10
Benzo (k) fluoranthene	mg/kg	0.14
Chrysene	mg/kg	0.58
Dibenzo (a,h) anthracene	mg/kg	< 0.10
Fluoranthene	mg/kg	5.9
Fluorene	mg/kg	0.29
Indeno (1, 2, 3,-cd) pyrene	mg/kg	< 0.10
Naphthalene	mg/kg	< 0.10
Phenanthrene	mg/kg	2.9
Pyrene	mg/kg	4.0
Total PAH	Units	Result
Speciated Total EPA-16 PAHs	mg/kg	17

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Heavy Metals	Units	Result
Arsenic (aqua regia extractable)	mg/kg	37
Barium (aqua regia extractable)	mg/kg	33
Beryllium (aqua regia extractable)	mg/kg	< 0.2
Boron (water soluble)	mg/kg	< 2.5
Cadmium (aqua regia extractable)	mg/kg	< 0.2
Chromium (III)	mg/kg	47
Chromium (aqua regia extractable)	mg/kg	49
Copper (aqua regia extractable)	mg/kg	57
Lead (aqua regia extractable)	mg/kg	18
Mercury (aqua regia extractable)	mg/kg	< 2.5
Nickel (aqua regia extractable)	mg/kg	1.2
Selenium (aqua regia extractable)	mg/kg	< 8.0
Vanadium (aqua regia extractable)	mg/kg	< 0.5
Zinc (aqua regia extractable)	mg/kg	65
Chromium (hexavalent)	mg/kg	< 2.0

Monoaromatics & Oxygenates	Units	Result
Benzene	mg/kg	< 0.02
Toluene	mg/kg	0.20
Ethylbenzene	mg/kg	< 0.02
p & m-xylene	mg/kg	< 0.04
o-xylene	mg/kg	< 0.02
MTBE (Methyl Tertiary Butyl Ether)	mg/kg	< 0.02

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Petroleum Hydrocarbons	Units	Result
TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	< 0.12
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	1.0
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	< 0.12
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	29
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	33
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	18
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	69
TPH-CWG - Aliphatic > EC35 - EC44	mg/kg	< 50.0
TPH-CWG - Aromatic >EC5 - EC7	mg/kg	< 0.02
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.20
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	21
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	19
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	31
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	95
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	200
TPH-CWG - Aromatic > EC35 - EC44	mg/kg	< 50.0
TPH-CWG - Total (EC5 - EC35)	mg/kg	520
TPH-CWG - Total (EC5 - EC40)	mg/kg	560

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