

feedstock	dairy manure
production date	12-Dec-17
biochar yield (% w/w. _{105°C})	37.6
highest heating temperature (°C)	550
residence time (min)	35

category	metric	limit	value
A	moisture		1.5 %
	Corg	> 10	43.3 %
	H : Corg	< 0.7	0.4 molar
	ash		38.4 %
	N		1.7 %
	pH		10.5 pH
	EC		1.6 dS/m
	liming		3.3 % CaCO ₃
	particle size (mm)		10.6 % < 0.5
			18.4 % 0.5-1
			39.8 % 1-2
			29.0 % 2-4
			2.3 % 4-8
			0.0 % 8-16
			0.0 % 16-25
			0.0 % 25-50
		0.0 % > 50	
B	PAH	< 300	1.8 mg/kg
	PCDD/PCDF	< 17	bdl ng/kg
	PCB	< 1	0.0 mg/kg
	Arsenic	< 100	bdl mg/kg
	Cadmium	< 39	0.3 mg/kg
	Chromium	< 1200	3.5 mg/kg
	Cobalt	< 100	3.2 mg/kg
	Copper	< 6000	61.2 mg/kg
	Lead	< 300	7.6 mg/kg
	Mercury	< 17	bdl mg/kg
	Molybdenum	< 75	1.5 mg/kg
	Nickel	< 420	3.8 mg/kg
	Selenium	< 200	0.5 mg/kg
	Zinc	< 7400	231.2 mg/kg
	Boron		87.4 mg/kg
Chlorine		bdl mg/kg	
Sodium		4366.6 mg/kg	
C (optional)	total P		9883.6 mg/kg
	total K		28036.0 mg/kg
	available P		5088.2 mg/kg
	mineral N		0.0 mg/kg
	volatile matter		27.3 %
	total surface area		96.1 m ² /g
	external surface area		79.7 m ² /g