

Biochar production record

q.inspecta number:
Production plant:
Name, forename:

Biochar inspection

General remarks

50	Name of the biochar	
54	ID No. of the biochar	
58	When did production of this biochar start?	
62	When did production of this biochar end?	
66	Which biomasses were used for this biochar?	
67	Which additives were added to the biomass as pyrolysis aids (max. 10%).	
68	Was the composition of the biomasses used changed more than 20% during the production of this biochar?	<input type="checkbox"/>
70	Where there any problems with the reactor during production leading to a production stop or a change in the process conditions? If so, a detailed description and the time and date of the problem must be noted in the production record.	<input type="checkbox"/> Production records exist <input type="checkbox"/>

ID	Measure	Analysis value	basic	premium	Plant *	Method	Remarks, thresholds
Biomass used							
110	Were only biomasses listed in the positive list used?		<input type="checkbox"/>				
120	All non-organic waste was removed		<input type="checkbox"/>				
130	The biomasses were not contaminated by paint, solvents or other synthetic materials.		<input type="checkbox"/>				
160	No forestry products were used from forests not managed in a sustainable manner		<input type="checkbox"/>				
170	Biomasses used were not transported to the pyrolysis plant over distances greater than 80 km			<input type="checkbox"/>			exemption

Biochar properties - test results per batch

310	Biochar carbon content in %	_____	<input type="checkbox"/>			<input type="checkbox"/>	Threshold: 50%
315	Black carbon content in % of the overall carbon content	_____					Guideline: 10 - 40% (not mandatory)
320	H/C ratio of the biochar	_____	<input type="checkbox"/>			<input type="checkbox"/>	Threshold: 0.6
325	O/C ratio of the biochar	_____					Guideline: 0.4
330	Is an analysis of the nutrients contained in the biochar available and attached to the delivery slip?		<input type="checkbox"/>		*		
340	Lead concentration in g/t	_____	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	basic: 150 g/t _____ premium: 120 g/t
350	Cadmium concentration in g/t	_____	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	basic: 1.5 g/t _____ premium: 1 g/t
360	Copper concentration in g/t	_____	<input type="checkbox"/>			<input type="checkbox"/>	Threshold: 100 g/t

370	Nickel concentration in g/t	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	basic: 50 g/t _____ premium: 30 g/t (exemption)
380	Mercury concentration in g/t	_____	<input type="checkbox"/>		<input type="checkbox"/>	Threshold: 1 g/t
390	Zinc concentration in g/t	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	basic: 400 g/t _____ premium: 300 g/t
400	Chromium concentration in g/t	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	basic: 90 g/t _____ premium: 80 g/t
410	pH value	_____	<input type="checkbox"/>			
420	Bulk density in t/m ³	_____	<input type="checkbox"/>			
430	Water content %	_____	<input type="checkbox"/>			
435	Water holding capacity	_____				optional
440	specific surface area	_____				optional

Biochar properties - annual samples

500	PAH (EPA-16) concentration in g/t DM	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	basic: 12 g/t _____ premium: 4 g/t: _____
510	PCB content in g/t DM	_____	<input type="checkbox"/>		<input type="checkbox"/>	Threshold: 0.2 g/t DM
520	Dioxin content in ng/kg (I-TEQ OMS)	_____	<input type="checkbox"/>		<input type="checkbox"/>	Threshold: 20 ng/kg _____
530	Furan content in ng/kg (I-TEQ OMS)	_____	<input type="checkbox"/>		<input type="checkbox"/>	Threshold: 20 ng/kg

Plant and reactor

700	Reactor certification level	_____	<input type="checkbox"/>	<input type="checkbox"/>		
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* These documents must be attached to the checklist

Assessment key: fulfilled = ✓, not fulfilled = O, not applicable = - , Quality grades: basic/premium

	Date, stamp, inspector's signature
<input type="checkbox"/> Recognition of the biochar as basic or premium: _____	<div style="border: 1px solid black; width: 100%; height: 100%;"></div>
<input type="checkbox"/> Recognition of the product as certified pyrolysis ash (basic, premium) _____	
<input type="checkbox"/> Recognition of the product as charcoal	
<input type="checkbox"/> The plant cannot be recognised	
<input type="checkbox"/> Missing documents to be submitted (within 6 weeks):	
Date, stamp, plant manager's signature	
<small>The undersigned has reviewed the documents and confirms the completeness and accuracy of the information provided during the inspection. He/she has taken note of the requirements and time limits. Insofar as nothing else is stipulated, the requirements and deadlines set by the inspector must be complied with.</small>	