

EBC Biochar production record



q.inspecta-Number:	
Production plant:	
Surname, Name:	No.:

EBC Biochar inspection

General remarks	
Name of the biochar	
ID No. of the biochar	
Period of production	Date/Start: _____ Date/End: _____
Production volumes biochar/year	<input type="checkbox"/> < 20t/year <input type="checkbox"/> > 20t/year
Which biomasses were used for this biochar?	
Which additives were added to the biomass as pyrolysis aids (max. 10%)?	
4.01 The pyrolysis temperature in °C did not fluctuate more than 20% (except for the documented interruption of production).	<input type="checkbox"/>
4.02 The composition of the pyrolysed biomasses does not fluctuate more than 15%.	<input type="checkbox"/>
4.03 The production period of a batch (1 year) is met.	<input type="checkbox"/>
4.04 Complete production records are kept, providing detailed descriptions and dates of any production problems or halts.	<input type="checkbox"/> Production record available <input type="checkbox"/>

ID	Checkpoints Biochar	Analysis value	basic	premium	Annex*	Method	Remarks, thresholds
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Biomass used							
3.01	Only biomasses listed in the positive list were used?		<input type="checkbox"/>				
3.02	All non-organic waste was removed		<input type="checkbox"/>				
3.03	The biomasses were not contaminated by paint, solvents or other synthetic materials.		<input type="checkbox"/>				
3.04	When using primary agricultural products, it is guaranteed that these were grown in a sustainable manner		<input type="checkbox"/>				
3.05	No forestry products were used from forests not managed in a sustainable manner (PEFC, FSC)		<input type="checkbox"/>				
3.06	Biomasses used were not transported to the pyrolysis plant over distances greater than 80 km		<input type="checkbox"/>				Exemption:

Biochar properties - Eurofins analysis per batch							
6.01	Biochar carbon content in %		<input type="checkbox"/>		x	<input type="checkbox"/>	Threshold: 50%
6.02	H/Corg ratio of the biochar		<input type="checkbox"/>		x	<input type="checkbox"/>	Threshold: 0.7
6.03	O/Corg ratio of the biochar		<input type="checkbox"/>		x		Guideline: 0.4
6.04	Volatile Organic Compounds (VOC)		<input type="checkbox"/>		x		Not required for small scale producers with production volumes <20 t / year
6.05	An analysis of the nutrients contained in the biochar is available and attached to the delivery documents?		<input type="checkbox"/>		x		
6.06	Lead concentration in g/t		<input type="checkbox"/>	<input type="checkbox"/>	x	<input type="checkbox"/>	basic: 150 g/ t, premium: 120 g/t
6.06	Cadmium concentration in g/t		<input type="checkbox"/>	<input type="checkbox"/>	x	<input type="checkbox"/>	basic: 1.5 g/t, premium: 1 g/t
6.06	Copper concentration in g/t		<input type="checkbox"/>		x	<input type="checkbox"/>	Threshold: 100 g/t
6.06	Nickel concentration in g/t		<input type="checkbox"/>	<input type="checkbox"/>	x	<input type="checkbox"/>	basic: 50 g/t, premium: 30 g/t (Exemption)
6.06	Mercury concentration in g/t		<input type="checkbox"/>		x	<input type="checkbox"/>	Threshold: 1 g/t
6.06	Zinc concentration in g/t		<input type="checkbox"/>	<input type="checkbox"/>	x	<input type="checkbox"/>	basic: 400 g/t, premium: 300 g/t
6.06	Chromium concentration in g/t		<input type="checkbox"/>	<input type="checkbox"/>	x	<input type="checkbox"/>	basic: 90 g/t, premium: 80 g/t
6.07	pH value		<input type="checkbox"/>		x		
6.07	Bulk density in t/m3		<input type="checkbox"/>		x		

6.07	Water content %		<input type="checkbox"/>	x		
6.07	Ash content %		<input type="checkbox"/>	x		
6.07	Specific surface area in m2/g		<input type="checkbox"/>	x		
6.07	Water holding capacity in hPa		<input type="checkbox"/>	x		optional
6.08	PAH (EPA-16) concentration in g/t DM		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	x <input type="checkbox"/> basic: 12 g/t, premium: 4 g/t

Biochar parameters - Annual Eurofins analysis

6.09	PCB content in g/t DM		<input type="checkbox"/>	x	<input type="checkbox"/>	Threshold: 0.2 g/t TM, Not required for small scale producers with production volumes <20 t / year
6.09	Dioxin content in ng/kg (I-TEQ OMS) _____		<input type="checkbox"/>	x	<input type="checkbox"/>	Threshold: 20 ng/kg
6.09	Furan content in ng/kg (I-TEQ OMS)		<input type="checkbox"/>	x	<input type="checkbox"/>	Threshold: 20 ng/kg

Plant and reactor

901	Biochar 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: _____ <input type="checkbox"/> Recognition of the product as certified pyrolysis ash (basic, premium): _____ <input type="checkbox"/> Recognition of the product as charcoal/charash <input type="checkbox"/> The plant cannot be recognised <input type="checkbox"/> Missing documents to be submitted (within 6 weeks):	<div style="border: 1px solid black; height: 30px; width: 100%;"></div>
	Date, stamp, plant manager's signature:
	<div style="border: 1px solid black; height: 30px; width: 100%;"></div>
<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>	

Biochar Production record

q.inspecta-Number:	No.:
ID No. of the biochar:	

Production: Date from: _____ to: _____	Days:	_____
Production: Date from: _____ to: _____	Days:	_____
Production: Date from: _____ to: _____	Days:	_____
Production: Date from: _____ to: _____	Days:	_____
Production: Date from: _____ to: _____	Days:	_____
Production: Date from: _____ to: _____	Days:	_____
Production: Date from: _____ to: _____	Days:	_____
Production: Date from: _____ to: _____	Days:	_____
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Production: Date from: _____ to: _____	Days:	_____
Production: Date from: _____ to: _____	Days:	_____
Production: Date from: _____ to: _____	Days:	_____
Production: Date from: _____ to: _____	Days:	_____
Production: Date from: _____ to: _____	Days:	_____
Production: Date from: _____ to: _____	Days:	_____
Production: Date from: _____ to: _____	Days:	_____
Changes in the biomass composition: _____ %		Σ Days = _____