

Wood Fuel Bio-Mass CRM

Art. ID	AR-1946
Unit	50 g
Deliverydetails	No Dangerous Good /not restricted

Description

This reference is made of finely pulverized wood (-40mesh) that has been kept at 0°C for a minimum of 72 hours and then dried at 120°C for a minimum of 1 hour before blending for homogeneity. The intended use is for a control or test method validation/quality check of laboratory test procedures.

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
Certified value/Dried basis values	Ash		3,90 ± 0,37	%		
Certified value/Dried basis values	Carbon	[7440-44-0]	49,44 ± 1,17	%		
Certified value/Dried basis values	Volatile matter		79,5 ± 3,2	%		
Certified value/Dried basis values	Hydrogen (H)	[1333-74-0]	5,71 ± 0,26	%		
Indicates for reference only/Dried basis values	Sulfur	[7704-34-9]	0,03	%		
Certified value/Dried basis values	Nitrogen (N)	[7727-37-9]	0,23 ± 0,05	%		
Certified value/Dried basis values	BTU		8345 ± 124			
Indicates for reference only/Dried basis values	Oxygen (calculated)		40,68	%		
Certified value/Dried basis values	MAF BTU		8701 ± 196			
Indicates for reference only/Dried basis values	Moisture		3,48	%		
Certified value/Dried basis values	Calcium	[7440-70-2]	0,45 ± 0,05	%		
Certified value/Dried basis values	Potassium (K)	[7440-09-7]	0,14 ± 0,03	%		
Certified value/Dried basis values	Magnesium (Mg)	[7439-95-4]	0,048 ± 0,001	%		

asis values

Indicates for reference only/Dried basis values	Sodium (Na)	[7440-23-5]	0,009	%
Certified value/Dried basis values	Silicon (Si)	[7440-21-3]	1,08 ± 0,003	%
Indicates for reference only/Dried basis values	Barium (Ba)	[7440-39-3]	0,0047	%
Indicates for reference only/Dried basis values	Strontium (Sr)	[7440-24-6]	0,0033	%
Indicates for reference only/Dried basis values	Lead	[7439-92-1]	0,0004	%
Indicates for reference only/Dried basis values	Nickel (Ni)	[7440-02-0]	0,0003	%
Indicates for reference only/Dried basis values	Copper (Cu)	[7440-50-8]	0,0004	%
Certified value/Dried basis values	Iron (Fe)	[7439-89-6]	0,11 ± 0,02	%
Certified value/Dried basis values	Manganese (Mn)	[7439-96-5]	0,011 ± 0,001	%
Indicates for reference only/Dried basis values	Zinc (Zn)	[7440-66-6]	0,0014	%
Indicates for reference only/Dried basis values	Aluminum	[7429-90-5]	0,04	%
Indicates for reference only/Dried basis values	Vanadium (V)	[7440-62-2]	0,0003	%
Indicates for reference only/Dried basis values	Mercury (Hg)	[7439-97-6]	<0,000005	%
Indicates for reference	Fluorine (F)	[7782-41-4]	<0,005	%

only/Dried basis value

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Indicates for reference	Chlorine (Cl)	[7782-50-5]	<0,02	%
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only/Dried basis value

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