

108.9 - Biomass Feedstock

For related materials see: See [Table 108.8 Biofuels](#)

RM 8495 and 8496 are intended for use in studies of the properties of fibers and paper sheets. Each RM is characterized for selected pulp characteristics (Lap Sheet, Handsheet, Fiber Analysis, Fines, and Chemical composition, PFI Beating curve and Tappi standard). See Report of Investigation.

PLEASE NOTE: The tables are presented to facilitate comparisons among a family of materials to help customers select the best SRM for their needs. For specific values and uncertainties, the certificate is the only official source.

SRM	2790	2791	8495	8496
Description	Inorganic Constituents in Hardwood Biomass Material	Inorganic Constituents in Softwood Biomass Material	Northern Softwood	Eucalyptus Hardwood
Unit Size	(2 x 30 g)	(2 x 30 g)	(10 sheets)	(10 sheets)

- Certified values are normal font
- Reference values are italicized
- Values in parentheses are for information only

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108.9(1)- Biomass Constituents

SRM	2790	2791
Description	Inorganic Constituents in Hardwood Biomass Material	Inorganic Constituents in Softwood Biomass Material
Unit Size	(2 x 30 g)	(2 x 30 g)

Values are in mg/kg unless noted with an asterik (*) for percent (%).

Aluminum (Al)	92.06	73.6
Antimony (Sb)	0.0397	0.0399
Arsenic (As)	0.0335	0.0067
Ash	0.604*	0.52*
Boron (B)	3.210	2.704
Cadmium (Cd)		0.0821
Calcium (Ca)		527
Carbon (C)	51.73*	53.4*
Cerium (Ce)	0.5523	0.1692
Cesium (Cs)	0.0199	0.00505
Chlorine (Cl)	35.40	37.1
Chromium (Cr)	1.59	0.187
Cobalt (Co)	0.098	0.0551
Copper (Cu)	1.545	0.687
Hydrogen (H)	6.291*	6.39*
Iron (Fe)	82.9	9.6
Lanthanum (La)	0.643	0.14
Magnesium (Mg)	189	155
Manganese (Mn)	52.4	39.92
Mercury (Hg)	0.01323	0.00923

Values are in mg/kg unless noted with an asterik (*) for percent (%).

Potassium (K)	1040	428
Rubidium (Rb)	3.11	0.807
Samarium (Sm)	0.0507	0.01338
Scandium (Sc)	0.0111	0.00615
Selenium (Se)	0.0102	0.0165

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Silver (Ag)	<i>0.0079</i>	<i>0.01491</i>
Sodium (Na)	26.0	14.2
Thorium (Th)	<i>0.0146</i>	<i>0.00507</i>
Titanium (Ti)	<i>11.1</i>	<i>55.6</i>
Tungsten (W)	<i>0.225</i>	<i>0.0201</i>
Vanadium (V)	0.243	0.0448
Zinc (Zn)	9.26	19.3

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