

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

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

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Hydrogen (H)
<i>6.291*</i>
6.39*

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108.9(1)- Biomass Constituents

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

SRM	Description	Unit Size	Aluminum (Al)	Antimony (Sb)	Arsenic (As)	Ash	Boron (B)	Cadmium (Cd)	Calcium (Ca)	Carbon (C)	Cerium (Ce)	Cesium (Cs)	Chlorine (Cl)	Chromium (Cr)	Cobalt (Co)	Copper (Cu)
2790	Inorganic Constituents in Hardwood Biomass Material	2 x 30 g	<i>92.06</i>	<i>0.0397</i>	<i>0.0335</i>	<i>0.604*</i>	<i>3.210</i>			<i>51.73*</i>	<i>0.5523</i>	<i>0.0199</i>	<i>35.40</i>	<i>1.59</i>	<i>0.098</i>	<i>1.545</i>
2791	Inorganic Constituents in Softwood Biomass Material	2 x 30 g	<i>73.6</i>	<i>0.0399</i>	<i>0.0067</i>	<i>0.52*</i>	<i>2.704</i>	<i>0.0821</i>	<i>527</i>	<i>53.4*</i>	<i>0.1692</i>	<i>0.00505</i>	<i>37.1</i>	<i>0.187</i>	<i>0.0551</i>	<i>0.687</i>

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Tungsten
(W)
<i>0.225</i>
<i>0.0201</i>

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SRM Description	Unit Size	Iron (Fe)	Lanthanum (La)	Magnesium (Mg)	Manganese (Mn)	Mercury (Hg)	Potassium (K)	Rubidium (Rb)	Samarium (Sm)	Scandium (Sc)	Selenium (Se)	Silver (Ag)	Sodium (Na)	Thorium (Th)	Titanium (Ti)
2790 Inorganic Constituents in Hardwood Biomass Material	2 x 30 g	82.9	0.643	189	52.4	0.01323	1040	3.11	0.0507	0.0111	0.0102	0.0079	26.0	0.0146	11.1
2791 Inorganic Constituents in Softwood Biomass Material	2 x 30 g	9.6	0.14	155	39.92	0.00923	428	0.807	0.01338	0.00615	0.0165	0.01491	14.2	0.00507	55.6

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