

# Wood pellets calibration package for the DA 7250



The DA 7250 is excellent for use in the wood pellets industry. Its accuracy, speed and flexibility make it especially suited for analysis of wood chips and wood pellets composition and properties.

## Wood pellets calibrations

Product	Parameter	Units	Reference method	Samples	Range	R	Sample prep.
Wet Chips & meal	Moisture	% as received	EN 14774	>100	40.0-59.0	0,93	none
	Ash	% dry basis	EN 14775	>300	0.30-0.80	0,87	none
	Extractives	% dry basis	See ref 1)	>200	0.63-3.44	0,91	none
Product	Parameter	Units	Reference method	Samples	Range	R	Sample prep.
Dry Chips & Meal	Moisture	% as received	EN 14774	>800	0.5-20.0	0,97	none
	Ash	% dry basis	EN 14775	>300	0.30-0.80	0,87	none
	Extractives	% dry basis	See ref 1)	>200	0.63-3.44	0,91	none
Product	Parameter	Units	Reference method	Samples	Range	R	Sample prep.
Pellets	Moisture	% as received	EN 14774	>1000	4-10	0,90	none
	Density	kg/m3	EN 15103	>800	550-700	0,85	none
	Ash	% dry basis	EN 14775	>800	0.20-0.95	0,90	none
	Extractives	% dry basis	See ref 1)	>300	0.70-3.4	0,91	none
	Durability	% as received	EN 15210	>350	95.0-99.5	0,90	none
	Calorific value Dry matter	Kwh/ton dry basis	EN14918 2)	>1000	4920-5250	0,97	none
	Calorific value Net	Kwh/ton as received	EN14918 2)	>1000	4850-5220	0,97	none
Product	Parameter	Units	Reference method	Samples	Range	R	Sample prep.
Peat Meal & Pellets	Moisture	% as received	EN 14774	>1000	2.6-16.6	0,96	none
	Ash	% dry basis	EN 14775	>900	0.30-6.10	0,99	none
	Extractives	% dry basis	See ref 1)	>300	0.63-3.4	0,91	none

1) Emission of volatile organic compounds from softwood pellets during storage, Mehrdad Arshadi and Rolf Gref, Forest Products Journal Vol. 55, No. 12 Dec 2005, pages 132-135  
2) Calculated

The table above shows the standard calibration package, the DA 7250 is configured at delivery with the calibrations of your choice. The standard calibrations are made for the reference methods listed in the table.

NIR is an indirect method and the actual accuracy will depend on the accuracy of the reference method which is used for comparison with the DA 7250. For most products and parameters a typical accuracy would be 1-1.5 times the accuracy of the reference method.

Additional calibrations are available on request.