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Perguntas / Questions

Pergunta nº: 1201/Question nº: 1201

Título: /Title: [Content of metals and silica in different *Eucalyptus* species](#)

Por: / By: [Pia Jour](#)

E-mail: pia.jour@akzonobel.com

Questão: /Question:

Hello Celso,

My name is Pia Jour and I work for Akzo Nobel PPC in Sweden and I have an interest in production bleaching of *Eucalyptus* pulp.

I have been reading some of your publications about *Eucalyptus* and thought that you might be the right person to guide me in finding information about the content of metals and silica in different *Eucalyptus* species.

Do you know about any good references on this subject?

Best Regards,
Pia

Resposta por Celso Foelkel: / Answer by Celso Foelkel:

Dear Pia Jour – thanks for your nice words.

Have a look on this table just below which is available in chapter number 02 of my Eucalyptus Online Book – unfortunately just in Portuguese till now:

http://www.eucalyptus.com.br/capitulos/capitulo_minerais.pdf

Another paper I recommend:

http://celso-foelkel.com.br/artigos/ciencia_florestal/elementos%20minerais%201999.pdf

I hope it may be of some help to you.

Regards

Celso Foelkel

Frequent values for mineral ions in eucalyptus woods

	Range	Most common values
Ash	0,2 a 1,1 %	0,3 a 0,7 %
Elements, ppm Based on OD weight		
N	500 - 1800	800 - 1400
P	20 - 300	100 - 150
K	600 - 2000	800 - 1300
Ca	400 - 2000	500 - 900
Mg	100 - 500	150 - 300
Fe	5 - 90	10 - 30
Al	20 - 150	40 - 70
Si	15 - 65	15 - 45
Cl ⁻	150 - 800	300 - 600
Na	80 - 600	200 - 400
Mn	15 - 100	15 - 50
Cu	1 - 8	1 - 5
Ni	0,3 - 10	4 - 5
Co	10 - 40	15 - 20
Zn	1,5 - 8	2 - 6
Pb	3 - 10	2 - 5
Ba	2 - 30	10 - 15
Mo	1,5 - 10	2 - 4
Cr	15 - 40	15 - 25
Cd	1 - 5	2 - 3
Ti	0,2 - 0,5	0,2 - 0,3
V	0,2 - 0,8	0,3 - 0,5

Outros comentários / Other comments:

Por: / By: [Pia Jour](#)

E-mail: pia.jour@akzonobel.com

Dear Celso,
Thanks a lot for the table and the references. That was exactly what I
wished to find.
Regards,
Pia
