

Jatropha Lignin (J-LIG)

PRODUCT DATA SHEET

J-LIG Description

J-Lig represents the outer part of the Jatropha seed also referred to as the seed husk. The seed husk, which is rich in lignin, encapsulates the seed kernel. Through our processing technology the original lignin content of Jatropha husk is increased from $\pm 45\%$ to $>60\%$.

J-LIG is available in flakes or as powder and can be, upon request, further refined to meet product requirements. For more information contact us.

J-LIG Characterisation

Chemical analysis about the lignin and carbohydrate content is given in the table below.

Description	Unit	Method	J LIG
Acid-insoluble lignin, grav.	%	T-222	59,3
Acid-soluble lignin UV 205	%	T-UM 250	1,9
Ash 700°C (lignin)	%	Internal	0,2
Arabinose, acid hydrolysis, HPAE-PAD	mg/g	SCAN-CM 71	1,7
Galactose, acid hydrolysis, HPAE-PAD	mg/g	SCAN-CM 71	4,1
Glucose, acid hydrolysis, HPAE-PAD	mg/g	SCAN-CM 71	169,5
Xylose, acid hydrolysis, HPAE-PAD	mg/g	SCAN-CM 71	208,6
Mannose, acid hydrolysis, HPAE-PAD	mg/g	SCAN-CM 71	0
Carbohydrates, acid hydrolysis, HPAE-PAD, total	mg/g	SCAN-CM 71	383,9
pH, general		Internal	5

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