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 OT Tuttendorf, Gewerbepark "Schwarze Kiefern" · D-09633 Halsbrücke

AENOR
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SPANIEN

Title: Test report to order 11314115
Test report: No. 1008328022
Project: No. 1008328
Title of project: AENOR Ref. 0037298, RIBPELLET, S.L.
Number of samples: 1 sample
Sample type: wood pellets
Sampler: unknown
Receipt of samples: 2013-11-15
Test period: 2013-11-15 - 2013-12-02

The test results refer solely to the analysed test specimen. Unless the sampling was done by our laboratory or in our sub-order the responsibility for the correctness of the sampling is disclaimed. This test report is only valid with signature and may only be further published completely and unchanged. Extracts or changes require the authorisation of the EUROFINS UMWELT in each individual case.

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Accredited test laboratory according to DIN EN ISO/IEC 17025 notification under the DAkkS German Accreditation System for testing. The accreditation shall apply for the tests listed in the certificate.

Freiberg, 2013-12-02

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Project: AENOR Ref. 0037298, RIBPELLET, S.L.

Analysis according to EN plus January 2012

Parameter	Unit	LOQ	limits			Sample designation	Ref. 0037298, RIBPELLET, S.L. 113071516
			EN Plus-A1	EN Plus-A2	EN Plus-B		

Quality characteristics

diameter, D	mm		D06 6±1 D08 8±1	D06 6±1 D08 8±1	D06 6±1 D08 8±1	DIN EN 16127	6,2
length, L	mm		3,15 ≤ L ≤ 40	3,15 ≤ L ≤ 40	3,15 ≤ L ≤ 40	DIN EN 16127	according
water content, M	% w/w anl	0,1	M10 ≤ 10	M10 ≤ 10	M10 ≤ 10	DIN EN 14774-2	6,3
ash content, A (550°C)	% w/w wf	0,1	A0,7 ≤ 0,7	A1,5 ≤ 1,5	A3,0 ≤ 3,0	DIN EN 14775	0,48

Parameter	Unit	Value	Limit	Standard	Remarks
Moisture content, M	% w/w anl	6,3	M10 ≤ 10	DIN EN 14774-2	
Ash content, A (550°C)	% w/w wf	0,48	A3,0 ≤ 3,0	DIN EN 14775	
Particle size distribution	%				
< 0,075 mm		0,0	0,0	EN 12617	
< 0,15 mm		0,0	0,0	EN 12617	
< 0,3 mm		0,0	0,0	EN 12617	
< 0,6 mm		0,0	0,0	EN 12617	
< 1,25 mm		0,0	0,0	EN 12617	
< 2,5 mm		0,0	0,0	EN 12617	
< 5 mm		0,0	0,0	EN 12617	
< 10 mm		0,0	0,0	EN 12617	
< 20 mm		0,0	0,0	EN 12617	
< 40 mm		0,0	0,0	EN 12617	
> 40 mm		0,0	0,0	EN 12617	
Particle size distribution	%				
< 0,075 mm		0,0	0,0	EN 12617	
< 0,15 mm		0,0	0,0	EN 12617	
< 0,3 mm		0,0	0,0	EN 12617	
< 0,6 mm		0,0	0,0	EN 12617	
< 1,25 mm		0,0	0,0	EN 12617	
< 2,5 mm		0,0	0,0	EN 12617	
< 5 mm		0,0	0,0	EN 12617	
< 10 mm		0,0	0,0	EN 12617	
< 20 mm		0,0	0,0	EN 12617	
< 40 mm		0,0	0,0	EN 12617	
> 40 mm		0,0	0,0	EN 12617	

Project: AENOR Ref. 0037298, RIBPELLET, S.L.

Analysis according to EN plus January 2012

Parameter	Unit	LÖC	EN12667	EN12667	EN12667	EN12667	EN12667	Sample designation	Ref. 0037298, RIBPELLET, S.L.
								limits	113071516

Each melting behaviour (oxidizing atmosphere) on ash 815°C

shrinkage start temperature, SST	°C	can be given	can be given	can be given	analogous DIN CEMENTS 15370-1	1180
deformation temperature, DT <th>°C</th> <th>≥ 1200</th> <th>≥ 1100</th> <th>≥ 1100</th> <th>analogous DIN CEMENTS 15370-1</th> <th>1200</th>	°C	≥ 1200	≥ 1100	≥ 1100	analogous DIN CEMENTS 15370-1	1200
hemisphere temperature, HT <th>°C</th> <th>can be given</th> <th>can be given</th> <th>can be given</th> <th>analogous DIN CEMENTS 15370-4</th> <th>1260</th>	°C	can be given	can be given	can be given	analogous DIN CEMENTS 15370-4	1260
flow temperature, FT <th>°C</th> <th>can be given</th> <th>can be given</th> <th>can be given</th> <th>analogous DIN CEMENTS 15370-1</th> <th>1280</th>	°C	can be given	can be given	can be given	analogous DIN CEMENTS 15370-1	1280

Annotation:

length up to 1 % of pellets can be longer than 40mm. Maximum length should be <45mm.
 H₂O: net calorific value at constant pressure

and as received
 on water free basis

EUROFINS UMWELT is not liable for accuracy of the cited limits.