

INSPECTORATE COLOMBIA LTDA.  
 Calle 76 No. 54 – 11, Piso 10  
 Edificio World Trade Center  
 Tel: +57 (5) 3669450  
 Barranquilla, Colombia



INSPECTORATE

Certificate Nbr : 01-23242-02  
 Our Ref : 23242-1

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TO : INTERNATIONAL CHARCOAL S.A.S

IDENTIFICATION : **CARBON VEGETAL**  
 PRODUCT : COAL (CHARCOAL)

### ANALYSIS CERTIFICATE

INSPECTORATE COLOMBIA LTDA, certifies that the following analytical results were established by us, at the laboratory of Ciénaga, Colombia in accordance with the applicable standards:

LAB NBR. : 72367

Temperature Data °C, 100 mm

HOURS	OVEN TEMPERATURE °C	COAL TEMPERATURE °C	TEMPERATURE RISE	MAXIMA TEMPERATURE °C	TEST RESULT: POSITIVE / NEGATIVE
1	137	136	1.0	200	NEGATIVE
2	138	137	1.0	200	NEGATIVE
3	138	138	0.0	200	NEGATIVE
4	138	139	-1.0	200	NEGATIVE
5	138	139	-1.0	200	NEGATIVE
6	139	140	-1.0	200	NEGATIVE
7	139	141	-2.0	200	NEGATIVE
8	145	150	-5.0	200	NEGATIVE
9	146	152	-6.0	200	NEGATIVE
10	148	153	-5.0	200	NEGATIVE
11	150	158	-8.0	200	NEGATIVE
12	152	159	-7.0	200	NEGATIVE
13	155	160	-5.0	200	NEGATIVE
14	159	169	-10.0	200	NEGATIVE
15	165	172	-7.0	200	NEGATIVE
16	169	176	-7.0	200	NEGATIVE
17	170	180	-10.0	200	NEGATIVE
18	175	185	-10.0	200	NEGATIVE
19	178	191	-13.0	200	NEGATIVE
20	194	198	-4.0	200	NEGATIVE
21	199	205	-6.0	200	POSITIVE
22	200	210	-10.0	200	POSITIVE
23	215	221	-6.0	200	POSITIVE
24	222	228	-6.0	200	POSITIVE

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**Temperature Data °C, 25 mm**

HOURS	OVEN TEMPERATURE °C	COAL TEMPERATURE °C	TEMPERATURE RISE	MAXIMA TEMPERATURE °C	TEST RESULT: POSITIVE / NEGATIVE
1	138	137	1.0	200	NEGATIVE
2	138	139	-1.0	200	NEGATIVE
3	137	138	-1.0	200	NEGATIVE
4	139	140	-1.0	200	NEGATIVE
5	139	141	-2.0	200	NEGATIVE
6	140	141	-1.0	200	NEGATIVE
7	140	142	-2.0	200	NEGATIVE
8	140	142	-2.0	200	NEGATIVE
9	139	140	-1.0	200	NEGATIVE
10	138	140	-2.0	200	NEGATIVE
11	139	140	-1.0	200	NEGATIVE
12	140	141	-1.0	200	NEGATIVE
13	140	141	-1.0	200	NEGATIVE
14	140	142	-2.0	200	NEGATIVE
15	140	142	-2.0	200	NEGATIVE
16	141	142	-1.0	200	NEGATIVE
17	142	144	-2.0	200	NEGATIVE
18	142	144	-2.0	200	NEGATIVE
19	140	142	-2.0	200	NEGATIVE
20	140	142	-2.0	200	NEGATIVE
21	139	141	-2.0	200	NEGATIVE
22	140	142	-2.0	200	NEGATIVE
23	141	142	-1.0	200	NEGATIVE
24	142	143	-1.0	200	NEGATIVE



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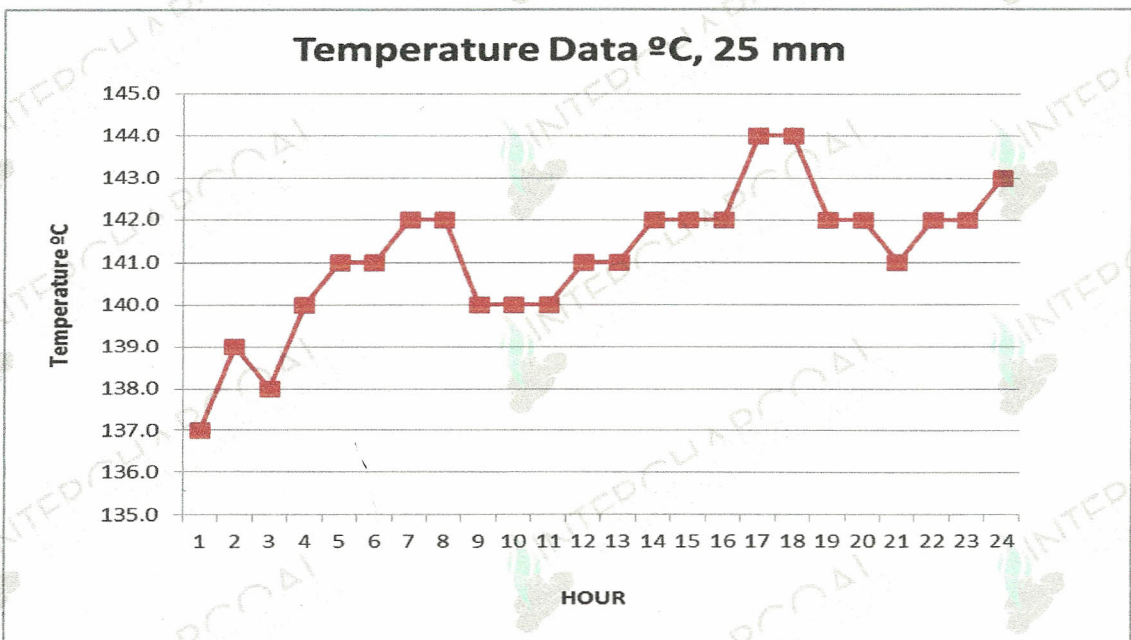
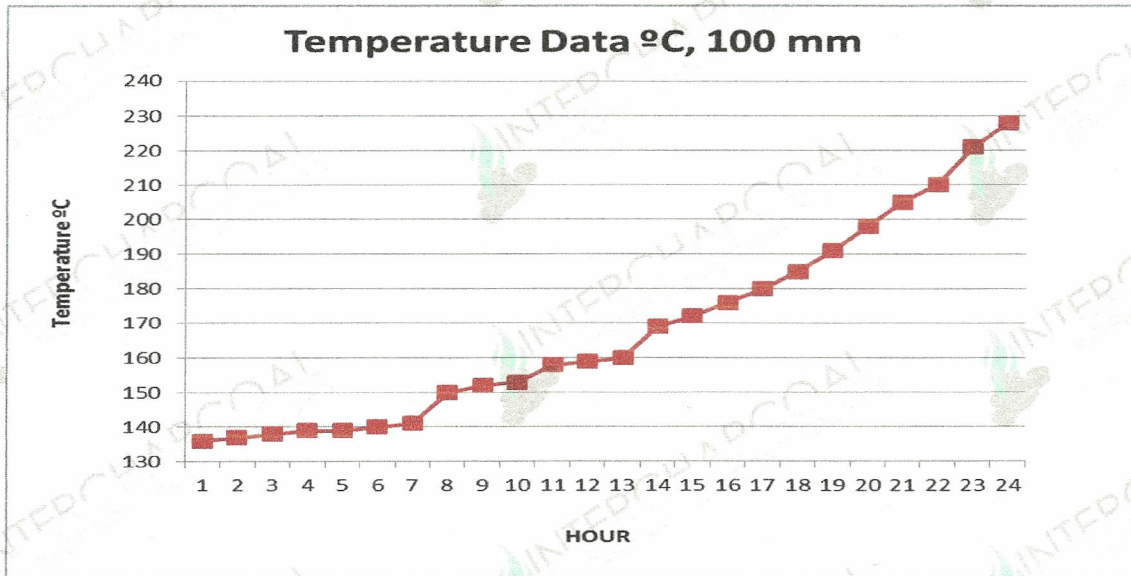
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**CONCLUSION:**

1. According regulation IMO Charcoal, must be submitted during a 24 hours consecutive period at a temperature of 140°C. During the analysis performed for the cube of 100 mm, it achieved temperature higher than 200°C. For the case of the cube of 25 mm, the material did not exceed the temperature, the results were negative. DOT Packing Group III.
2. Cargo passed the United Nations Manual of Tests and Criteria (see 33.3.1.3.3) for self-heating substances and must not be classified as dangerous goods under UN1362/4.2.

Barranquilla, Colombia  
May 19<sup>th</sup>, 2015

Note: "These results are obtained on samples submitted to INSPECTORATE COLOMBIA LTDA."

For and on behalf of,  
  
INSPECTORATE COLOMBIA LTDA.

FORMATO "MS" REV. #3 03/13