



CARSURIN

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Report No. : 201161.0653

SUBJECT

Evaluation of "Coconut Cube For Shisha" Sample for Self-Heating Substance Test

CUSTOMER

CV. Indo Palm Enterprise
Patok 36, Ds Rasau Jaya II,
Dsn. Banjar Laut, Kec. Rasau Jaya,
Kab. Kubu Raya, Kalimantan Barat
Indonesia, 738382

SAMPLING DATE

15 July 2020

DESCRIPTION OF SAMPLE

Coconut Cube For Shisha

DATE OF TESTING

16 July 2020 up to 17 July 2020

The below findings are based on sample/s only, which taken by PT. CARSURIN during the audit or inspection. This particular cargo as stated in this certificate has been performed cooling and weathering process as declared by the shipper in the weathering certificate. This report is valid ONLY for the aforesaid Booking Number.

Certificate of Analysis



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METHOD OF TEST

The self-heating substances test was performed according to United Nations "Recommendations on the Transport Dangerous Good, Manual of Test and Criteria" (33.3.1.3.3) Self heating substances, using method of UN 33.3.1.6 "Test N.4: Test method self-heating substances".

The sample received was placed into was the placed into a 100 mm cubic mesh sample container made of stainless steel. The container was then hung at the centre of the oven. The oven temperature was slowly raised to 140° C and kept constant for 24 hours. The temperature at the centre of the sample and temperature between the container and oven were recorded continuously.

RESULT

Table 1: Analysis result for "Coconut Cube For Shisha" sample


Sample	Oven Temperature (°C)	Cube Size (mm)	Maximum Temperature Reached (°C)	Result
Coconut Cube For Shisha	140	100	144.4	Negative

The above result showed that the "Coconut Cube For Shisha" sample shall not be classified in self heating substances.

Remark

The temperature profiles were enclosed in pages 3 for your references. T1 represented temperature in the center of the sample. T2 represented temperature between the container and the oven wall.

Jakarta, 18 July 2020
PT. CARSURIN


Dede Jemmi Supriadi
Head of Laboratory


PT. CARSURIN
Amran Lesmana
Head of Technical 

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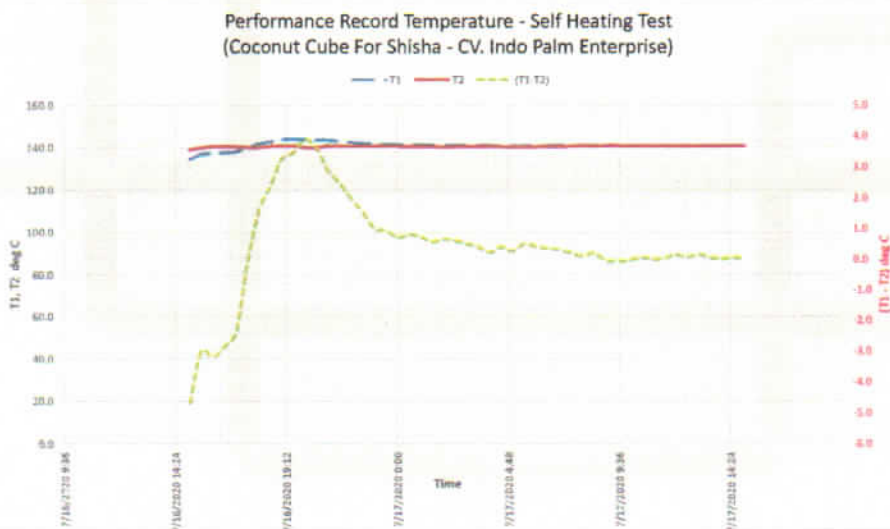
24 Hours Temperature Profile "Coconut Cube For Shisha" at 140⁰ C (100mm cube)

Start Time : 16-Jul-20 15:00:00
 Stop Time : 17-Jul-20 15:00:00
 Elapsed Time : 24:00:00
 Interval : 0:30:00
 Total Readings : 49
 Thermocouple Type : K
 Scaling : (None)

Temperature	Max Time Stamp	Max	Average	Min	Min Time Stamp
T1	7/16/2020 19:30	144.4	141.0	134.4	7/16/2020 15:00
T2	7/16/2020 19:30	141.0	140.6	139.1	7/16/2020 15:00
T1-T2	7/16/2020 20:00	3.9	0.4	-4.7	7/16/2020 15:00

Remark:

T1 represented temperature in the centre of the sample. T2 represented temperature between the container and the oven wall.



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