

DETERMINATION OF FUEL FILTER BLOCKING POTENTIAL OF BIODIESEL BY THE COLD SOAK FILTRATION TEST (CSFT)

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A 300 ml sample of biodiesel is stored at 4.4°C for 16 hr, and then allowed to warm up to 20°C-22°C. The sample is then vacuum-filtered through a single 0.7 μm glass fibre filter at a controlled vacuum pressure of 21 to 25 in. of Hg below atmospheric pressure (*Figure 1*). The time for the 300 ml sample to be completely filtered is recorded as the CSFT time.



Figure 1. Cold soak filtration test (CSFT) filtration system.

Amount of sample required: 300 ml
Cost of analysis: RM 600 per sample*

Note: * As at June 2010; subject to change.

REFERENCES

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