

# CERTIFICATE of CALIBRATION

Issued By: AML Instruments Limited

Issue Date: 08 December 2020

Certificate Number: **AL441732318**



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**Approved Signatory:**  
Alex Leeson

**Customer:** Demo Certificate

**Location:** AML Lab

**Job Card Number:** n/a

**Calibration Date:** 08 December 2020

**Frequency:** 12

**Months**

**Re Calibration:** Dec 2021

**Description:** Zahn Flow Cup Efflux Time

**Manufacturer:** Gardco

**Serial Number:** 114002

**Customer Ref:** CAVI0046

**Temperature °C** 20.1

**Calibrated By:** A.Leeson

**Status of Calibration:** **Pass**

**Comments:**

None

**Traceability Information:**

Serial Number:	Instrument:	Certificate Number:	
1060B	Reference Oil 17.66 cP	U3659	UKAS
390a	Platinum Resistance Thermometer	3002600	
8000A	Stopwatch	55228	UKAS

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Description: Zahn Flow Cup Efflux Time

## Method Of Test:

The dip cup was calibrated using calibration oil that are traceable to National Standards. The expected efflux time was noted and correction factor calculated for expected efflux time. The calibration was performed to the requirements of ASTM D 4212

<b>Expected efflux time (s)</b>		<b>47.6</b>	
	<b>Time (s)</b>	<b>Error (s)</b>	<b>Error (%)</b>
<b>Run 1</b>	45.15	-2.45	-5.147
<b>Run 2</b>	44.78	-2.82	-5.924
<b>Run 3</b>	45.15	-2.45	-5.147
<b>Mean</b>	<b>45.027</b>	<b>-2.5733</b>	<b>-5.4062</b>
<b>Correction factor</b>		<b>1.0572</b>	

Expected efflux time corrected for temperature  
Temperature of oil during calibrati 20.6

\*\*\* End Of Report \*\*\*