Description:
Samples of PMB (Class A15E) will be sent to the participating laboratories for PMB stream of the AAPA 2019/2020 Proficiency Testing Round.
Participants are encouraged to complete the following tests on polymer Modified Binder sample provided:

Test methods:
- Viscosity at 165 °C (Pa.s) AS/NZS 2341.4 or AGPT/T111
- Torsional recovery at 25 °C, 30 s (%) AGPT/T122
- Softening point (°C) AGPT/T131
- Stress ratio at 10 °C min. AGPT/T125
- Consistency 6% at 60 °C (Pa.s) min AGPT/T121
- Stiffness at 15 °C (kPa) max. AGPT/T121
- Segregation (%) max. AGPT/T108
- Loss on heating (% mass) max. AGPT/T103

To report the results, access the webform by clicking:
http://www.123formbuilder.com/form-5319415/s7-pmb-tests

Please note that you will need the Laboratory ID Code, which has been sent to you via e-mail to complete the webform.

Submit results by 30 May 2020

Procedure:
Binder samples will be sent to laboratories in 1 litre tin. The sample is A15E.
Each container has a unique sample number.

Sample preparation:
- Samples to be prepared in accordance with AGTP/T102 “Protocol for Handling Modified Binders in Preparation for Laboratory Testing

Reheating:
- Set the fan-assisted oven to a temperature not exceeding 180 °C
- Remove the lid from the sample container and remove any rubber seal in the lid. Place the bulk sample in the oven with the lid loose - Samples of 1 L or less shall not be heated for more than 2.5 h.
- Prepare subsamples only when the bulk sample can be stirred freely and no unmelted lumps can be felt with the spatula
- A new subsample of binder should be used for testing if the initial binder sample has already been heated twice using the

Tests on bitumen sample
1. Viscosity at 165°C
2. Torsional recovery at 25 °C, 30 s (%)
3. Softening point (°C)
4. Stress ratio at 10 °C min.
5. Consistency 6% at 60 °C (Pa.s) min
6. Stiffness at 15 °C (kPa) max.
7. Segregation (%) max.
8. Loss on heating (% mass) max.

Reporting:
Use webform to report:
- Sample ID

1. Viscosity at 165°C
   - Viscosity, in Pa.s
   - Brookfield viscometer model.
   - Spindle model number.
   - Rotational speed.

2. Torsional recovery at 25 °C, 30 s (%)
   - Torsional Recovery at 25 °C (%) – average result

3. Softening point (°C)
   - Softening Point, in °C – average result
   - Medium (water/glycerol)

4. Stress ratio at 10 °C min.
   - Average of duplicate stress at 3 strain results, to the nearest 0.01
   - Average of duplicate stress at 10 strain results, to the nearest 0.01
   - Average of duplicate stress ratio results, to the nearest 0.01.

5. Consistency 6% at 60 °C (Pa.s)
   - Consistency 6% in Pa.s – average result
   - Sample mould

6. Stiffness at 15 °C (kPa) max.
   - Stiffness at 15 °C (kPa) – average result
   - Sample mould

7. Segregation (%) max.
   - Segregation to the nearest 0.5%.

8. Loss on heating (% mass) max.
   - Loss on heating result (%)