

Frank Buckel

Von: Alan Jaenecke <Jaenecke_A@taberindustries.com>
Gesendet: Donnerstag, 3. November 2011 12:39
An: Frank Buckel
Cc: Laurie T. Smith; Dave Gubala
Betreff: RE: IGPG - Taber Round Robin - Results of the Calibration Verification [Scanned]

Dr. Buckel,

Yes, please share my comments about the calibration verification results with the participants. That was my intention.

You are correct, the reference to lab 10 should actually be lab 11. This is a typographical error on my part (thank you for catching that for me).

Best regards,

Alan Jaenecke

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From: Frank Buckel [mailto:frank.buckel@bayer.com]
Sent: Thursday, November 03, 2011 4:27 AM
To: Alan Jaenecke
Cc: Laurie T. Smith; Dave Gubala
Subject: AW: IGPG - Taber Round Robin - Results of the Calibration Verification [Scanned]

Dear Alan Jaenecke,

thank you very much for your comments on the calibration results. I would like to forward your comments to the participants of the Round Robin for further study. Is that OK?

One question: lab 11 is missing (or is it a typing error and "lab 10 – acceptable" should read "lab 11 – acceptable" (lab 9&10 have used the same instrument, means same report and tracking cards (they have only varied the vacuum nozzle openings)?

Freundliche Grüße / Best Regards

Frank Buckel

Please note my new address and phone number!



Science For A Better Life

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Von: Alan Jaenecke [mailto:Jaenecke_A@taberindustries.com]
Gesendet: Mittwoch, 2. November 2011 14:34
An: Frank Buckel
Cc: Laurie T. Smith; Dave Gubala
Betreff: RE: IGPG - Taber Round Robin - Results of the Calibration Verification [Scanned]

Dr. Buckel,

Attached are the results from the instrument Taber used for the round robin. I also reviewed the tracking cards with our technician and offer the following comments:

Lab 1 - acceptable

Lab 2 - possible specimen table 'wobble' or bearing issue (no apparent influence on results)

- test 2; imprint is extremely light on outside for approximately 50% of card
- test 3; imprint is "missing" from inside for approximately 33% of card

Lab 3 - toe out condition with right arm, arm alignment strongly recommended

- test 3; marginal pass due to imprint crossing dotted line, however due to heavy imprint & consistency of pattern indicates an issue with right arm not being perpendicular to specimen table (toe out condition)

Lab 4 - possible wheel bearing issue for left abraser arm

- test 2; imprint is extremely light on outside for approximately 50% of card

Lab 5 - acceptable

Lab 6 - results of test 1 indicate marginal acceptance

- test 1; imprint crosses dotted line, but marginally; left arm makes full imprint for only 33% of card - possible toe out condition for both left and right arms
- test 2; clarity of scan makes imprint look "spotty", appears to be acceptable
- test 3; good imprint, however this card does not appear to match with the results of the imprint the right arm made in test 1

Lab 7 - possible toe in / toe out condition, could be caused by bad wheel bearings (no significant influence on results)

- test 2; imprint demonstrates toe out condition
- test 3; imprint demonstrates toe in condition

Lab 8 - acceptable

Lab 9 - acceptable (but with disclaimer, it was difficult to interpret results due to use of double sided tape to adhere mounting card to table)

Lab 10 - acceptable

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Based on these results, my recommendation would be to further investigate the condition of lab 6's instrument. The tracking card indicates the instrument is within calibration. However, the results of test 1 are less than ideal and do not seem to support the imprint of tests 2 & 3.

Lab 7's results may be slightly lower than other labs due to the toe out & toe in conditions. This situation occurs because the wheels do not make full contact across the wearpath and therefore may not generate the "crosshatch" wear pattern typical of the Taber test.

Unfortunately, I am not able to explain the extremely high reading for lab 9's PC reading.

Lab 3 results should be discarded due to issue with DD17D2 wheels used.
Lab 4 results are not comparable due to different vacuum nozzle opening (8mm)
Lab 10 results are not comparable due to different vacuum nozzle opening (8mm)

Best regards,

Alan Jaenecke

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From: Frank Buckel [mailto:frank.buckel@bayer.com]
Sent: Tuesday, October 25, 2011 2:23 AM
To: Alan Jaenecke
Subject: IGPG - Taber Round Robin - Results of the Calibration Verification [Scanned]

Dear Alan Jaenecke,

attached please find the results (report and image of the tracking cards) from the participating test labs doing the calibration verification according to your manual.

If you don't mind, please send me also **your report and tracking cards to complete this document** before sending it to all participant and to the chairman and secretary of the IGPG.

I am not an expert in analyzing these results, but based on the pass / fail criteria in your manual I would conclude that the instruments are within calibration and the vacuum suction force is okay, right? Please feel free to comment on these results!

Since this calibration tour will be a topic during the next IGPG meeting, it would be very helpful to get your opinion on the outcome.

The calibration verification kit will be send back to you within the next days (coming from Saint Gobain (contact person: Jahn, Daniela <Daniela.Jahn@saint-gobain.com>).

Freundliche Grüße / Best Regards

Frank Buckel

Please note my new address and phone number!



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