



## *Manufacturer's Information*

### **Test No. 19-5351/5: Tire Track Imprint Evidence**

Each sample pack contained either photographs or digital images of a suspect tire, inked exemplars of a suspect tire, and questioned tire track imprints. The suspect tire was photographed in segments (K1-K7), with the start and end of each segment indicated by a red line and assigned a letter (A-G). The inked exemplars were segmented and captured in the same manner. Two photographs contained images of four questioned tire track imprints (Q1-Q4). Participants were asked to compare the suspect tire and inked exemplars with the questioned imprints to determine if any associations or identifications could be established.

#### SAMPLE PREPARATION -

The previously driven tires used in production of the test were gently cleaned to remove any loose debris from the surface prior to inking.

**KNOWN EXEMPLARS (K1-K7, K1\_2-K7\_2):** Inked exemplar imprints were created by pushing a vehicle containing the suspect tire across an inked surface and then white containerboard. The suspect tire was removed from the vehicle and photographed in segments after known exemplars and questioned imprints were collected.

**QUESTIONED IMPRINTS (Q1-Q4):** Questioned imprints were created by pushing a vehicle containing the suspect or elimination tire across an inked surface and then the substrate. All production materials were repositioned and the process repeated as necessary to capture all tire track imprints in question.

#### VERIFICATION -

Laboratories that conducted the predistribution examination of the images associated imprints Q2 and Q3 with the suspect tire and expected segments. In addition, all predistribution labs eliminated imprint Q1 and a majority eliminated imprint Q4.

#### SAMPLE PACK ASSEMBLY -

Once sample preparation, verification, and final image production were complete, each photo set was placed into a pre-labeled sample pack envelope, sealed with evidence tape, and initialed with "CTS." Digital download media were provided in a zipped file uploaded to the CTS portal.

<b>Imprint</b>	<b>Tire Brand</b>	<b>Tire Specs</b>	<b>DOT Info</b>	<b>Segment(s) Associated</b>
Q1	Toyo Proxes A27	P185/60 R16 86H M&S	N3EL V573517	N/A - Elimination
Q2	Toyo Proxes A27	P185/60 R16 86H M&S	N3EL V570716	B-D
Q3	Toyo Proxes A27	P185/60 R16 86H M&S	N3EL V570716	F-A
Q4	Toyo Proxes A27	P185/60 R16 86H M&S	N3EL V573517	N/A - Elimination

*The information presented here details how test samples were prepared as well as any design specifications. This information does not necessarily represent the answers that should or could be obtained from an examination of the sample(s). Final interpretation of the results should be deferred until the summary report is available.*