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FORENSIC TESTING PROGRAM

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Manufacturer's Information

Test No. 26-5351/5: Tire Track Imprint Evidence

Each sample pack contained photographs in either a physically printed format or as a digitally downloadable file. Images consisted of a recovered tire, known imprints of the recovered tire, and questioned tire track imprints. Participants also had access to a second set of known imprints made with the recovered tire (segments) as a digitally downloadable supplemental file on the CTS Portal. Participants were asked to compare the imprints from the crime scene with the recovered tire and report their findings.

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: Inked exemplar imprints (K1_DarkInk-K8_DarkInk); K1_LightInk-K8_LightInk) were created by pushing a vehicle equipped with the recovered tire across an inked surface and then white containerboard sheeting. The recovered tire images (K1-K8) were created by removing the tire from the vehicle and photographing in segments after known exemplars and questioned imprints were collected. The recovered tire was photographed in segments (K1-K8), with the start and end of each segment indicated by a red line. The inked exemplars were segmented to match the photographs.

QUESTIONED IMPRINTS: Questioned imprints were created by pushing a vehicle equipped with the known 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: Predistribution results were consistent with each other and the manufacturer's preparation information.

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, and initialed. A zipped file containing the digitally downloadable media was uploaded to the CTS Portal.

Imprint	Substrate	Tire Brand	Tire Spec (DOT Info)	Segment(s) Associated
Q1	'NO PARKING ANY TIME' Sign	Douglas All Season	M+S 195/65R15 (DOT M6AE TU1R 1019)	K3-K4
Q2	'NO PARKING ANY TIME' Sign	Douglas All Season	M+S 195/65R15 (DOT M6AE TU1R 1019)	N/A
Q3	White Canvas	Douglas All Season	M+S 195/65R15 (DOT M6AE TU1R 1019)	N/A
Q4	White Canvas	Douglas All Season	M+S 195/65R15 (DOT M6AE TU1R 1019)	K5-K6
Q5	Cardboard	Douglas All Season	M+S 195/65R15 (DOT M6AE TU1R 1019)	K4-K5
Q6	Cardboard	Douglas All Season	M+S 195/65R15 (DOT M6AE TU1R 1019)	N/A

The information presented here details how test samples were prepared as well as any design specifications. This information does not necessarily represent the results that could or should be obtained. Final interpretation of the results should be deferred until consensus data is made available in the summary report.