Test Report

No.: GZHL1807029445HM **Date: Aug 07, 2018**

COMERCIALIZADORA INDUCASCOS S.A.
NIT. 900, 129, 117-3 CARRERA 50 GG NO. 10B 38 SUR, MEDELLIN – COLOMBIA

The following sample(s) was/were submitted and identified on behalf of the client as:

Sample Description	: MOTORCYCLE HELMETS
Style / Item No.	: HRO 516
Size	: 57cm-58cm
HPI (from basic plane)	: 45mm For C-DOT
Buyer	: COMERCIALIZADORA INDUCASCOS S.A.
Manufacturer	:
Test Performed	: FMVSS 49 CFR 571.218
Sample Receiving Date	: Jul 11, 2018
Test Performing Date	: Jul 11, 2018 to Aug 07, 2018
Test Result(s)	: For further details, please refer to the following page(s)

Signed for and on behalf of
Guangzhou Branch
SGS-CSTC Ltd.

Arthur Mak
Approved Signatory

SGS-CSTC Standard Technical Services Co., Ltd.
Guangzhou Branch Testing Center Hardlines

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No.: GZHL1807029445HM **Date: Aug 07, 2018**

Test Conducted: Based on FMVSS 49 CFR 571.218 Motorcycle Helmets

Number of Tested Sample: 4 piece(s)

Test Results: Details shown as following table

Clause	Test Method/Requirement	Test Result
5.1	**Impact attenuation** When an impact attenuation test is conducted in accordance with S7.1, all of the following requirements shall be met: (a) Peak accelerations shall not exceed 400g; (b) Accelerations in excess of 200g shall not exceed a cumulative duration of 2.0 milliseconds; and (c) Accelerations in excess of 150g shall not exceed a cumulative duration of 4.0 milliseconds.	Pass See annex 1
5.2	**Penetration** When a penetration test is conducted in accordance with S7.2, the striker shall not contact the surface of the test headform.	Pass See annex 4
5.3	**Retention system**	
5.3.1	When tested in accordance with S7.3: (a) The retention system or its components shall attain the loads specified without separation; and (b) The adjustable portion of the retention system test device shall not move more than 1 inch (2.5 cm) measured between preliminary and test load positions.	Pass See annex 2
5.3.2	Where the retention system consists of components which can be independently fastened without securing the complete assembly, each such component shall independently meet the requirements of S5.3.1	NA
5.4	**Configuration** Each helmet shall have a protective surface of continuous contour at all points on or above the test line described in S6.2.3. The helmet shall provide peripheral vision clearance of at least 105° to each side of the mid-sagittal plane, when the helmet is adjusted as specified in S6.3. The vertex of these angles, shown in Figure 3, shall be at the point on the anterior surface of the reference headform at the intersection of the mid-sagittal and basic planes. The brow opening of the helmet shall be at least 1 inch (2.5 cm) above all points in the basic plane that are within the angles of peripheral vision	Pass See annex 3
5.5	**Projections** A helmet shall not have any rigid projections inside its shell. Rigid projections outside any helmet's shell shall be limited to those required for operation of essential accessories, and shall not protrude more than 0.20 inch (5 mm).	Pass