

Test Report No.: GZHL1710044411EM Date: Oct 13, 2017 Page 1 of 7

DONGGUAN CITY EON SPORTING GOODS CO., LTD SHOE FACTORY INDUSTRIAL PARK,QISHA VILLAGE, SHATIAN TOWN,DONGGUAN CITY,GUANGDONG PROVINCE, P.R. CHINA

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

Sample Description : MOTORCYCLE HELMET
Style / Item No. : SE4 POLYACRYLITE

Sizes (cm) : XS(54/55), S(55/56), M(57/58), L(58/59), XL(60/61), XXL(62/63)

Type of lower face cover : P (Without visor)

Batch Number : P-003

Serial Number : From 6401 to 9600 Approval Number : E1 22R 05300615

Type(s) of visor to which may be

equipped with this helmet

Buyer : TROY LEE DESIGNS

Country of Origin : CHINA

Test Performed : Selected test(s) as requested by applicant

: NA

Sample Receiving Date : Oct 09, 2017

Test Performing Date : Oct 09, 2017 to Oct 13, 2017

Test Result(s) :

Test Requested	Result
Clause 10.5.1 of ECE Regulation No.22 Supplement 2 to the 05 series of amendments (Batch control of Helmets)	Pass

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

Lell Wu

Approved Signatory



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Test Conducted: Based on Clause 10.5.1 of ECE Regulation No.22 Supplement 2 to the 05 series of amendments Uniform provisions concerning the approval of protective helmets and their visors for drivers and passengers of motor cycles and mopeds.

Number of Tested Sample: <u>5</u> piece(s)

Test Results: Details shown as following table

Clause	Test Requirement / Test Method	Result
7.3	Impact-absorption tests The absorption efficiency shall be considered sufficient where the resultant acceleration measured at the centre of gravity of the headform at no time exceeds 275g, and the Head Injury Criterion does not exceed 2400. The helmet shall not become detached from the headfrom	Pass See annex 1
7.6	Dynamic test of the retention system During the test, the dynamic displacement of the point of application of the force shall not exceed 35mm. After two minutes, the residual displacement of the point of application of the force, as measured under a mass of 15kg ±0.5kg, shall not exceed 25mm.	Pass See annex 2
7.7	Retention (detaching) test After the test the angle between the reference line situated on the shell of the helmet and the reference plane of the headform shall not exceed 30°	Pass See annex 3

Remark: 1. NA = Not applicable.

2. NT = Not tested as per client's request.



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Annex 1: Impact-absorption tests results

Test Specification: ECE Regulation No.22 Supplement 2 to the 05 series of amendments-7.3

Ambient temperature at time of test: 22 ℃

Size (cm)	Test Headform	Helmet No.	Condition	Test anvil	Test site	Velocity (m/s)	Peak 'G ≤275g	HIC ≤2400	Result
57/58	J	1	Solvent plus heat conditioning	Kerbstone	В	7.61	121.3	845	Pass
				Kerbstone	Х	7.58	178.7	1316	Pass
				Kerbstone	Р	7.59	182.2	1049	Pass
				Kerbstone	R	7.60	142.5	1017	Pass
57/58	J	2	Solvent plus low temperature conditioning	Flat	В	7.56	189.1	1671	Pass
				Flat	Х	7.55	231.5	1934	Pass
				Flat	Р	7.56	226.3	2109	Pass
				Flat	R	7.57	191.9	1519	Pass
				Flat	S	5.50	92.7	347	Pass
	0	3	Solvent plus heat conditioning	Kerbstone	В	7.55	121.1	826	Pass
62/63				Kerbstone	Х	7.59	154.5	1067	Pass
				Kerbstone	Р	7.59	132.9	880	Pass
				Kerbstone	R	7.62	124.5	793	Pass
	0	4	Solvent plus low temperature conditioning	Flat	В	7.59	187.1	1697	Pass
62/63				Flat	Х	7.59	230.2	1836	Pass
				Flat	Р	7.57	228.2	1825	Pass
				Flat	R	7.51	190.4	1261	Pass
				Flat	S	5.50	87.4	306	Pass

Annex 2: Dynamic test of the retention system results

Test Specification: ECE Regulation No.22 Supplement 2 to the 05 series of amendments-7.6

Ambient temperature at time of test: 22 ℃

Size (cm)	Test Headform	Helmet No.	Condition	Dynamic displacement (≤35mm)	Residual displacement (≤25mm)	Result
54/55	E	5	Solvent plus ambient temperature and hygrometry conditioning	28.3	14.7	Pass



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Annex 3: Retention (detaching) tests results

Test Specification: ECE Regulation No.22 Supplement 2 to the 05 series of amendments-7.7

Ambient temperature at time of test: 22 ℃

Size (cm)	Test Headform	Helmet No.	Condition	Angle (≤30°) (between the reference line and the reference plane of the headform)	Result
54/55	Ш	5	Solvent plus ambient temperature and hygrometry conditioning	28°	Pass

Sample Photo(s):





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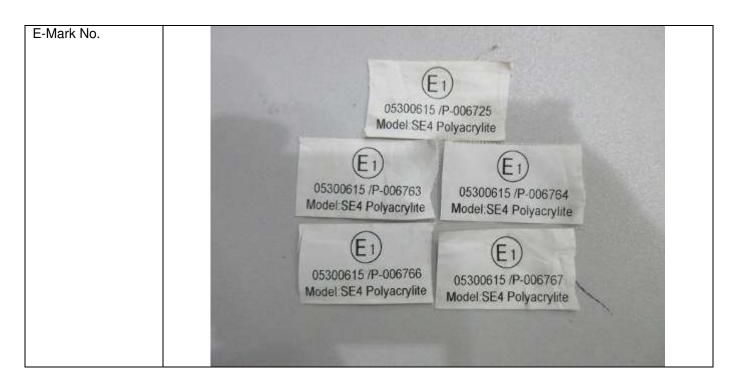


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