



THE UNITED KINGDOM VEHICLE APPROVAL AUTHORITY

COMMUNICATION CONCERNING THE APPROVAL GRANTED ⁽¹⁾ / ~~APPROVAL EXTENDED ⁽¹⁾ /~~
~~APPROVAL REFUSED ⁽⁴⁾ / APPROVAL WITHDRAWN ⁽⁴⁾ / PRODUCTION DEFINITELY~~
~~DISCONTINUED ⁽¹⁾~~ OF A TYPE OF PROTECTIVE HELMET WITHOUT / WITH ⁽¹⁾ ONE / MORE ⁽¹⁾
VISOR TYPE(S) WITHOUT / WITH ⁽¹⁾ ONE / MORE ⁽¹⁾ SPECIFIC ACCESSORY TYPE(S)
PURSUANT TO UN REGULATION NO. 22.06



Approval No: E11*22R06/02*1011*00

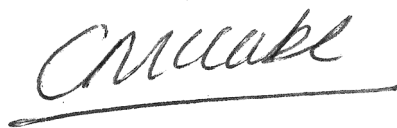
Reason(s) for extension: Not applicable

1. Trade mark: KYT, SUOMY
2. Type: K5H
3. Sizes: XS (53-54); S (55-56); M (57-58); L (59-60); XL (60); XXL (61)
4. Manufacturer's name: PT TARA CITRA KUSUMA
5. Address:
Jalan Meranti 3 Blok L 10; No 3&5 Delta Silicon Industrial Park
Lippo Cikarang
Bekasi Jawa Barat -Indonesia 17550
6. If applicable, name of manufacturer's representative: Not applicable
7. Address: Not applicable
8. Brief description of helmet: See manufacturer's documentation
9. ~~Helmet without lower face cover (J) / with protective lower face cover (P) / with non protective lower face cover (NP) / with detachable or movable lower face cover (P/J) ⁽⁴⁾~~
10. Type of visor or visors: K5V

EAB609719

11. Brief description of visor or visors and inner visor if any: See manufacturer's documentation
12. ~~Helmet ready for specific accessory (SA)~~ / ready for universal accessories (UA) ⁽¹⁾
13. Accessories included in the helmet homologation and functionality: Not applicable
14. If UA helmet, speakers (S or S45) /-Microphone (M) /-~~Front mounting (F)~~ /-Side mounting (L),
~~Rear mounting (R)~~ ⁽⁴⁾
15. Submitted for approval on: 20 July 2023
16. Technical service responsible for conducting approval tests: Omega S.r.l
17. Date of report issued by that service: 26 October 2023
18. Number of report issued by that service: EAB609719
19. Comments: Sun Visor K5SV
20. Approval GRANTED / ~~EXTENDED~~ / ~~REFUSED~~ / ~~WITHDRAWN~~ ⁽¹⁾
21. Place: BRISTOL
22. Date: 31 JANUARY 2024

23. Signature:



C McCABE
Chief Technical and Statutory Operations Officer

21. The following documents, bearing the approval number shown above, are available on request:

(1) Strike out what does not apply



Vehicle
Certification
Agency

THE UNITED KINGDOM VEHICLE APPROVAL AUTHORITY

APPROVAL NUMBER: E11*22R06/02*1011*00

INFORMATION PACKAGE CONTENTS

INDEX REVISION NUMBER: Not applicable

Conformity of Production (COP) Declaration COP Confirmed

Assessment Method COP Audit

Date of Initial Clearance April 2021

Date of Last Clearance January 2024

Total number of sheets: 04 (Four)

Reasons for Revision: Not applicable

Revision Date
&
Office Stamp

EAB609719

An executive agency of the Department for Transport
July 2021 Revision 2
Page 1 of 1





PT TARA CITRA KUSUMA

Jalan Meranti 3 Blok L 10 No. 3 & 5, Delta Silicon Industrial Park, Lippo Cikarang
Bekasi, Jawa Barat - Indonesia 17550
Tel : (62) (21) 89904777, 89904813 Fax : (62) (21) 89904785

Date: 20 08 2023

Object Application for the approval of a type of protective helmet

Regulation ECE 22.06

Type	K5 H
Kind of homologation	E 22 rev 06
Trade Mark/s	KYT , SUOMY
Commercial name/s	KYT TT-JET, SUOMY TT-JET, KYT TT-JET REVO, SUOMY TT-JET REVO, KYT TT-JET 2, SUOMY TT-JET 2, SUOMY TT R JET, e KYT TT R JET, SUOMY MOONLIGHT

Manufacturer PT TARA CITRA KUSUMA

Manufacturer Address Jalan Meranti 3 Blok L 10 ; No 3&5 Delta silicon Industrialpark , Lippo Cikarang
Bekasi Jawa Barat - Indonesia 17550

Assembly Plants Jalan Meranti 3 Blok L 10 ; No 3&5 Delta silicon Industrialpark , Lippo Cikarang
Bekasi Jawa Barat - Indonesia 17550

Dear Sirs,

We hereby apply for the approval of the above-mentioned item according the regulation N°22.06,

We confirm that for this type ECE-Approval has neither been applied for nor been granted in any other ECE member state.

Best regards,

Fabio Frattini
Homologation manager

TECHNICAL DATA SHEET

MANUFACTURER DETAILS

MANUFACTURER NAME: Pt TARACIUTRA KUSUMA





PT TARA CITRA KUSUMA

Jalan Meranti 3 Blok L 10 No. 3 & 5, Delta Silicon Industrial Park, Lippo Cikarang

Bekasi, Jawa Barat - Indonesia 17550

Tel : (62) (21) 89904777, 89904813 Fax : (62) (21) 89904785

TYPE	K 5 H
KIND OF HOMOLOGATION	E 22 trev. 06
TRADE MARK/s	KYT ; SUOMY

ASSEMBLY PLANTS : Jalan Meranti 3 Blok L 10 ; No 3&5 Delta silicon Industrialspark , Lippo Cikarang
Bekasi Jawa Barat - Indonesia 17550

NAME OF THE MANUFACTURERS REPRESENTATIVE: Not applicable

SIZES & WEIGHT

Designation	XS	S	M	L	XL	XXL
SHELL	M	M	M	L	L	L
EPS	M	M	M	L	L	L
SIZE [cm]	53-54	55-56	57-58	59 – 60	60	61
WEIGHT : helmet [g]	1450±50gr	1450±50gr	1450±50gr	1500±50gr	1500±50gr	1500±50gr
WEIGHT with Pinlock lens	1480±50gr	1480±50gr	1480±50gr	1530±50gr	1530±50gr	1530±50gr

MARKING

size and weight on the shell (ref Regulation N° 22 § 14.3)

homologation number sewn to the retentions system

MATERIALS

SHELL	fiberglass, Kevlar, carbon with vinilestere resin
LINER	expanded polystyrene
REINFORCING MATERIAL	==
COMFORT PADDING	polyester fabric with polyurethane foma
REFLECTING BANDS	3 M 13050 Scotchlite reflective sheeting . They will be applied only in the countries where an explicit request will be sent
SEAL SYSTEM	EPDM rubber
VISOR	K 5 V under homologation
ACCESSORIES	Intercom universal type Solar visor

RETENTION SYSTEM :

RATCHET	Inox steel
RIVET	Inox steel
CHIN STRAP	Polyester
BUCKLE	DD ring Inox Steel ; Micrometric Buckle

N.B.: the materials used on the helmets production that came to contact with the skin are adequate to the use, and haven't modification due to sweat or hygienic products, and these materials don't cause dermatological problems. We will inform you about all the modification that we will make on the helmet materials.

ACCESSORIES

Solar visor

Intercom uniuersal typoe

ASSEMBLING INSTRUCTIONS

See "Exploded" page into the enclosed "DOSSIER-HOMOLOGATION"

HELMET DRAWINGS

See enclosed "DOSSIER-HOMOLOGATION"





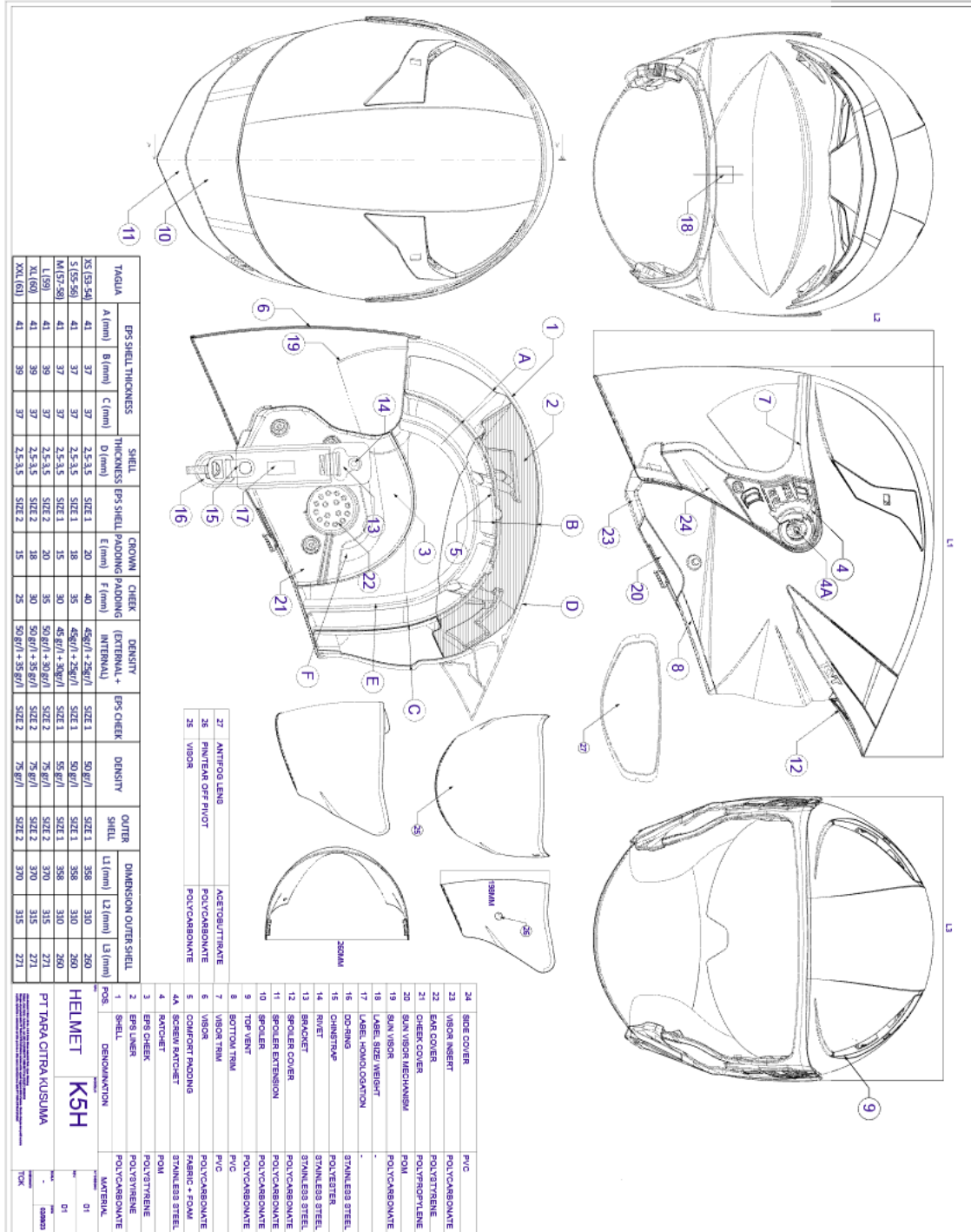
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LOGO APPLICATION

See some examples of the logo



application



PT TARA CITRA KUSUMA

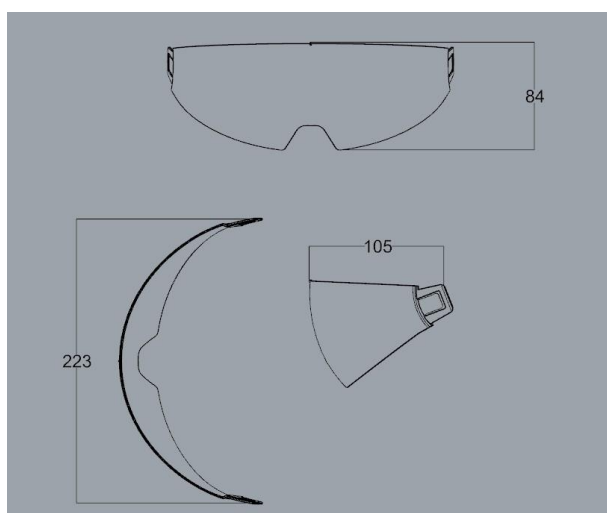
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K5SV

MATERIAL	Optical PC
Weight	32 gr
Markings:	See drawings
Versions	polyester fabric with polyurethane foma
REFLECTING BANDS	Tinted Smoke



QUALIFICATION TESTING

UNECE n°22 Series 05

Job Number	[EAB609719]		
Report	Code:	K5H RACE PQ E2206 26102023	
	Date:	26/10/2023	
Manufacturer	Name:	PT. Tara Citra Kusuma	
	Address:	Jl. Meranti 3 Blok L 10 No 3 & 5 Delta Silicon Industrial Park	
Representative	It does not apply		
Sample	Helmet model:	K5H	
	Approval n°:	E11*22R06/02*1011*00	
	Stickers from n°:	1	to n°: 3200 Batch n°: 0
	Arrival date:	23/10/2022	Testing date: 24-25/10/2023
Test Site	[OMEGA ITALY]		

Essential Technical Data

SIZE RANGE	XS (54) to XXL (61)
SHELL MATERIAL	fiberglass, Kevlar, carbon with vinilestere resin
WEIGHT	gr 1450 ± 50 XS-S-M-L/gr 1500 ± 50 L-XL-XXL Helmet gr 1480 ± 50 XS-S-M-L/gr 1530 ± 50 L-XL-XXL With Pinlock
RETENTION SYSTEM	DD/Micro
REFLECTIVE BANDS	Yes/No
ENVIRONMENTAL CONDITIONS	Temperature [°C] 20.3

Used Machine	Identifier /Manufacturer	Expiry Date
Tracking point of impact	M0015 (AD Engineering)	Daily Check IO 7.2.13
Shock absorption / DLS 9000	A0059/M0003 (AD Engineering)	29/10/2023
Chin strap resistance	M0044 (AD Engineering)	10/10/2024
Conditioning chamber: Freezer	M0002 (OCRAS E ZAMBELLI)	13/09/2024

The Helmet has been tested in the different configurations as supplied by the client.

Job Number: [EAB609719]

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31/11/24

The helmets are divided in n°		8	batches
Group n°	Size	helmets	
1	The largest size	10	
1	The largest size	10	
2	The largest size	10	
2	The largest size	10	
3	The medium size	10	
3	The medium size	10	
4	The medium size	10	
4	The medium size	10	
5	The largest size	10	
6	The largest size	10	
7	The Smallest size	10	
8	The Smallest size	10	

SHOCK ABSORPTION TESTS

Ref. 7.3

Group n°1		XXL (61)				
Head-form: “60”		Impact Point: “B”		Anvil:	FLAT	
Sticker n°	Helmet Internal Id	Cond.	Speed	HIC	Deceleration	
		[°C]	7.65÷7.5 [m/s]	≤ 2400	≤ 275 [g]	
18	23-2913	-10	7,52	2045	224	
86	23-2914		7,65	2199	226	
31	23-2915		7,65	1981	223	
23	23-2916		7,63	1680	206	
4	23-2917		7,67	2071	235	
43	23-2918		7,65	1971	225	
62	23-2919		7,6	1880	216	
41	23-2920		7,6	1927	193	
9	23-2921		7,6	1991	229	
30	23-2922		7,61	1980	226	
Mean of the value					$g_m = \sum g_i / 10$	220
Standard deviation					$S = \left[\sum (g_i - g_m)^2 / 9 \right]^{1/2}$	12
Condition					$g_m + 2.4 \cdot S \leq 275$	250

Job Number: [EAB609719]



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32/11-24

Group n°1		XXL (61)				
Head-form: “60”		Impact Point: “P”		Anvil:	FLAT	
Sticker n°	Helmet Internal Id	Cond.	Speed	HIC	Deceleration	
		[°C]	7.65÷7.5 [m/s]	≤ 2400	≤ 275 [g]	
18	23-2913	-10	7,54	1850	181	
86	23-2914		7,65	2086	188	
31	23-2915		7,65	2027	183	
23	23-2916		7,63	2218	199	
4	23-2917		7,54	2145	202	
43	23-2918		7,65	2085	212	
62	23-2919		7,65	2208	201	
41	23-2920		7,6	2127	203	
9	23-2921		7,54	2185	215	
30	23-2922		7,61	2108	211	
Mean of the value					$g_m = \sum g_i / 10$	200
Standard deviation					$S = \left[\sum (g_i - g_m)^2 / 9 \right]^{\frac{1}{2}}$	12
Condition					$g_m + 2.4 \cdot S \leq 275$	228

Job Number: **[EAB609719]**

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Group n°2 With Intercom universal type			XXL (61)			
Head-form: “60”		Impact Point: “X”		Anvil:	FLAT	
Sticker n°	Helmet Internal Id	Cond. [°C]	Speed 7.65÷7.5 [m/s]	HIC ≤ 2400	Deceleration ≤ 275 [g]	
53	23-2923	amb	7,54	1415	231	
186	23-2924		7,61	1894	228	
21	23-2925		7,63	1616	221	
189	23-2926		7,54	1819	237	
14	23-2927		7,63	1706	231	
64	23-2928		7,52	1806	221	
5	23-2929		7,54	1919	239	
33	23-2930		7,59	1726	231	
12	23-2931		7,54	1696	228	
195	23-2932		7,61	1255	212	
Mean of the value					$g_m = \sum g_i / 10$	228
Standard deviation					$S = \left[\sum (g_i - g_m)^2 / 9 \right]^{1/2}$	8
Condition					$g_m + 2.4 \cdot S \leq 275$	247

Group n°2		XXL (61)			
Head-form: "60"		Impact Point: "R"		Anvil:	FLAT
Sticker n°	Helmet Internal Id	Cond. [°C]	Speed 7.65÷7.5 [m/s]	HIC ≤ 2400	Deceleration ≤ 275 [g]
53	23-2923	amb	7,54	865	139
186	23-2924		7,61	1061	162
21	23-2925		7,63	1004	157
189	23-2926		7,5	893	146
14	23-2927		7,54	1055	157
64	23-2928		7,52	955	147
5	23-2929		7,54	993	159
33	23-2930		7,65	1214	187
12	23-2931		7,54	1294	197
195	23-2932		7,61	896	159
Mean of the value				$g_m = \sum g_i / 10$	161
Standard deviation				$S = [\sum (g_i - g_m)^2 / 9]^{1/2}$	18
Condition				$g_m + 2.4 \cdot S \leq 275$	


Job Number: **[EAB609719]**

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Group n°3		M(57-58)			
Head-form: “57”		Impact Point: “B”		Anvil:	FLAT
Sticker n°	Helmet Internal Id	Cond. [°C]	Speed 7.65÷7.5 [m/s]	HIC ≤ 2400	Deceleration ≤ 275 [g]
74	23-2933	-10	7,54	2134	234
115	23-2934		7,65	2032	224
39	23-2935		7,52	1833	226
35	23-2936		7,63	1680	232
82	23-2937		7,54	1945	235
89	23-2938		7,54	1834	234
95	23-2939		7,54	1880	237
92	23-2940		7,54	1836	231
165	23-2941		7,54	1991	225
60	23-2942		7,59	1754	225
Mean of the value $g_m = \sum g_i / 10$					230
Standard deviation $S = \left[\sum (g_i - g_m)^2 / 9 \right]^{1/2}$					5
Condition $g_m + 2.4 \cdot S \leq 275$					242

Group n°3		M(57-58)			
Head-form: "57"		Impact Point: "R"		Anvil:	FLAT
Sticker n°	Helmet Internal Id	Cond. [°C]	Speed 7.65÷7.5 [m/s]	HIC ≤ 2400	Deceleration ≤ 275 [g]
74	23-2933	-10	7,54	954	128
115	23-2934		7,65	986	154
39	23-2935		7,52	1032	163
35	23-2936		7,63	1003	146
82	23-2937		7,54	1055	176
89	23-2938		7,54	984	147
95	23-2939		7,54	987	169
92	23-2940		7,54	1214	187
165	23-2941		7,54	1034	196
60	23-2942		7,59	893	136
Mean of the value				$g_m = \sum g_i / 10$	160
Standard deviation				$S = [\sum (g_i - g_m)^2 / 9]^{1/2}$	22
Condition				$g_m + 2.4 \cdot S \leq 275$	213



Job Number: [EAB609719]

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Group n°4		M(57-58)			
Head-form: “57”		Impact Point: “X”		Anvil:	FLAT
Sticker n°	Helmet Internal Id	Cond. [°C]	Speed 7.65÷7.5 [m/s]	HIC ≤ 2400	Deceleration ≤ 275 [g]
176	23-2943	AMB	7,54	900	141
69	23-2944		7,65	927	146
170	23-2945		7,65	944	145
79	23-2946		7,63	931	158
108	23-2947		7,54	886	131
70	23-2948		7,65	904	137
199	23-2949		7,65	954	151
20	23-2950		7,6	906	143
16	23-2951		7,54	913	162
27	23-2952		7,61	909	146
Mean of the value $g_m = \sum g_i / 10$					146
Standard deviation $S = \left[\sum (g_i - g_m)^2 / 9 \right]^{1/2}$					9
Condition $g_m + 2.4 \cdot S \leq 275$					168

Group n°4		M(57-58)			
Head-form: "57"		Impact Point: "P"		Anvil:	FLAT
Sticker n°	Helmet Internal Id	Cond. [°C]	Speed 7.65÷7.5 [m/s]	HIC ≤ 2400	Deceleration ≤ 275 [g]
53	23-2923	amb	7,54	2071	219
186	23-2924		7,61	2126	219
21	23-2925		7,63	2010	214
189	23-2926		7,54	1813	216
14	23-2927		7,63	2105	222
64	23-2928		7,52	2024	216
5	23-2929		7,54	2088	218
33	23-2930		7,59	2139	221
12	23-2931		7,54	2144	221
195	23-2932		7,61	1976	214
Mean of the value				$g_m = \sum g_i / 10$	218
Standard deviation				$S = [\sum (g_i - g_m)^2 / 9]^{1/2}$	3
Condition				$g_m + 2.4 \cdot S \leq 275$	225



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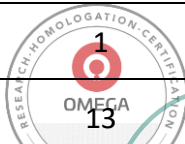
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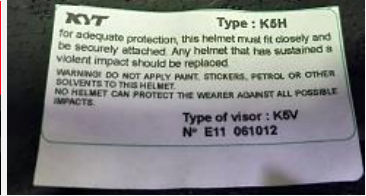
Group n°5		L (60)			
Head-form: "60"		Description: "DD"			
Sticker n°	Helmet Internal Id	Cond. [°C]	AMB	Dynamic Ext. ≤ 35 [mm]	Residual Ext. ≤ 25 [mm]
10	23-2953			28	11
184	23-2954			29	11
185	23-2955			29	10
180	23-2956			30	10
99	23-2957			31	10
173	23-2958			30	11
106	23-2959			30	9
28	23-2960			30	10
52	23-2961			30	11
85	23-2962			29	12
Mean of the value			X_m	30	11
Standard deviation			S	1	1
Condition			$X_m + 2,4 \cdot S$	32	13

Group n°5		L (60)			
Head-form: "54"		Description: "MICRO"			
Sticker n°	Helmet Internal Id	Cond. [°C]	AMB	Dynamic Ext. ≤ 35 [mm]	Residual Ext. ≤ 25 [mm]
47	23-2963			30	10
32	23-2964			29	11
51	23-2965			30	12
61	23-2966			30	11
26	23-2967			30	12
57	23-2968			33	11
29	23-2969			30	12
62	23-2970			30	10
17	23-2971			30	9
37	23-2972			30	12
Mean of the value			X_m	30	11
Standard deviation			S	1	
Condition			$X_m + 2,4 \cdot S$	33	

Group n°5		XS(53-54)			
Head-form: “54”		Description: “DD”			
Sticker n°	Helmet Internal Id	Cond.		Dynamic Ext.	Residual Ext.
		[°C]		≤ 35 [mm]	≤ 25 [mm]
54	23-2983	AMB		28	10
49	23-2984			29	11
48	23-2985			30	10
111	23-2986			29	10
40	23-2987			30	9
155	23-2988			30	11
49	23-2989			30	10
129	23-2990			30	10
46	23-2991			30	10
160	23-2992			30	10
Mean of the value			X_m	30	10
Standard deviation			S	1	1
Condition			$X_m + 2,4 \cdot S$	31	11

Group n°5			XS(53-54)		
Head-form: "54"		Description: "MICRO"			
Sticker n°	Helmet Internal Id	Cond.		Dynamic Ext.	Residual Ext.
		[°C]		≤ 35 [mm]	≤ 25 [mm]
3	23-2973	AMB		31	9
24	23-2974			30	10
11	23-2975			30	12
42	23-2976			30	10
59	23-2977			31	12
50	23-2978			33	11
58	23-2979			29	11
42	23-2980			30	10
34	23-2981			29	10
8	23-2982			29	10
Mean of the value				X_m	30
Standard deviation			S	1	
Condition			$X_m + 2,4 \cdot S$	33	

LABELLING

Ref.	Requirement	Description or image
	Method of Attachment to helmet at point of sale	
14.1	"For adequate protection, this helmet must fit closely and be securely attached. Any helmet that has sustained a violent impact should be replaced"	  13. INSPECT YOUR HELMET To ensure that your helmet is in the best condition to maximize your protection, always inspect your helmet for damage before riding: - Check the shield and shield ratchet: retighten shield ratchet screws if necessary. Be sure not to over tighten any screws. Plastic base plate screws can break and plastic screws can strip the screw sleeves if over tightened. - Check for the helmet damage: if your helmet is damaged or cracked, stop using it immediately. Follow the instruction in section (15). If your helmet has been dropped, you may not be able to see the damage. - Check for worn or damaged parts: plastic components may wear out over time. If you find worn or damaged parts, replace them or purchase a new helmet. Follow the instruction in section (14). - Check your face shield: If your face shield is scratched or damaged it may reduce the visibility, replace if necessary. Always make sure you can see well enough to safely operate your motorcycle. WARNING! If parts fall off while riding, your vision may be blocked which could cause an accident. - Check the retention system (chinstrap) for damage. If it is frayed or ripped, replace the helmet. - Check that the crown pad is in place. 16. HELMET REPLACEMENT WARNING! Although your KYT helmet is constructed with the best materials available to offer a long lasting product, it will eventually need to be replaced. Immediately replace your helmet if: - It has suffered an impact. Your helmet is only designed for ONE impact. An impact may fracture the outer shell or compress the impact absorbing liner. You may not be able to detect this damage. Any impact in a crash or a drop from as low as 4 feet is enough to damage your helmet. - The shell, lining, or retention system is damaged. The helmet shell, the impact absorbing lining, and the retention system must be in good condition to provide you with the most protection. Even if your helmet has not been damaged, it needs to be replaced every 3 to 5 years depending on how much you use it. Over time, UV rays and adhesive and component aging will damage your helmet. Wearing a damaged helmet may increase your risk of serious injury or death in an accident.
	if fitted with a non-protective lower face cover:	
	NOT APPLICABLE	
	"Does not protect chin from impacts" together with the symbol indicating the unsuitability of the lower face cover to offer any protection against impacts to the chin.	

14.2 specific warning in the above-mentioned label:

" 'Warning' - Do not apply paint, stickers, petrol or other solvents to this helmet".



G. The helmet may be damaged by using paints, stickers, petrol or cleaning products even if the damage is not visible.

8. DO NOT MODIFY YOUR HELMET IN ANY WAY
Never try to tamper your helmet. Do not cut or drill the shell of your helmet. Do not insert screws. Do not paint it. Do not modify the chin strap. Do not remove rubber base trim or the rubber window trim, it could be very dangerous in case of an accident. Do not modify the comfort padding by cutting or removing the polystyrene as this would greatly reduce the helmet shock absorption capacity. Use only original spare part.
Modifying your helmet may increase your risk of serious injury or death in an accident.

12. DO NOT EXPOSE YOUR HELMET TO SOLVENTS

Never keep your helmet on the fuel tank for too long as the exhausting gasoline fumes may damage it. Never expose your helmet to solvents such as gasoline or any other type of fuel in order to avoid damages to the visor, small plastic parts and comfort padding.

14.4 bears a label showing the type or types of visor that have been approved at the manufacturer's request.



MARKING

Ref.	Requirement	Description or image
------	-------------	----------------------

Method of Marking to the helmet

4.1.1 the applicant's trade name or mark,



an indication of the size (in letter and cm) **See 14.3**

the year of production



if appropriate, an indication of the unsuitability of the lower face cover to offer any protection against impacts to the chin.

NOT APPLICABLE

- 14.3 protective helmet is clearly marked with its size and its maximum weight, to the nearest 50 grams, as placed on the market.



- ANNEX 2A The approval number and the production serial number shall be placed close to the circle and either above or below the letter "E" or to the left or right of that letter.



THE SAMPLES TESTED MEET THE REQUIREMENTS OF THE REFERENCE NORM

Laboratory Technician
(Adolfo Garlando)

Laboratory Manager
(Juan Pablo Cuesta)

END OF REPORT

Job Number: [EAB609719]

M82 rev.0 11112020

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31/11/24

TYPE APPROVAL TESTING

UNECE n°22 Series 06

Job Number	[EAB609719]					
Report	Code:	K5H Type Approval 20072023				
	Date:	20 th July 2023				
Manufacturer	Name:	PT. Tara Citra Kusuma				
	Address:	Jl. Meranti 3 Blok L 10 No 3 & 5 Delta Silicon Industrial Park Lippo Cikarang Bekasi - Indonesia 17550				
Representative	[it does not apply]					
Sample	Helmet model:	K5H				
	Approval n°:	N/A				
	Stickers from n°:	N/A	to n°:	N/A	Batch n°:	N/A
	Arrival date:	19 July 2023	Testing date:	20 July 2023		
Test Site	[OMEGA CHINA] / [OMEGA ITALY] ⁽¹⁾					

Essential Technical Data

SIZE RANGE	XS (53-54) to XXL (61)
SHELL MATERIAL	polycarbonate
WEIGHT	
RETENTION SYSTEM	DD/Micro
REFLECTIVE BANDS	Yes

ENVIRONMENTAL CONDITIONS	Temperature [°C]	[20,3]
--------------------------	------------------	--------

Used Machine	Identifier /Manufacturer	Expiry Date
Tracking point of impact	M0015 (AD Engineering)	Daily Check IO 7.2.13
Shock absorption / DLS 9000	A0059/M0003 (AD Engineering)	26/07/2023
Chin strap resistance	M0044 (AD Engineering)	10/10/2024
Conditioning chamber: Freezer	M0072 (OCRAS E ZAMBELLI)	14/09/2023
Conditioning chamber: Oven	M0002 (IARP)	12/09/2023
Compressibility	M0030 (AD Engineering)	21/05/2025
Chin strap efficiency	M0038 (AD Engineering)	27/05/2025
Projections & Surface friction	M0114 (AD Engineering)	15/11/2023

The Helmet has been tested in the different configurations as supplied by the client.

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HELMET IMAGES

Front



Side 1



Side 2



Rear



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GENERAL SPECIFICATION TEST
SIZES XS (53-54) S (55-56) M (57- 58) -L(59)-XL(60)-XXL(61)

Reference	General Specification		Result	
			Pass (or N/A)	Fail
6.1	Hard shell		X	
6.1	Impact absorption system (see test data in this report)		X	
6.1	Retention system		X	
6.2.2	Marked "Does not protect chin from impacts" (if applicable)		X	
6.4.1	Extent of protection		X	
6.4.2	Nape cylinder		X	
6.4.3	Protective padding		X	
6.5	Outer round surface – Auditive faculties		X	
6.6	Projections (≥ 2 mm)		X	
6.7	External Projections ($h \leq 2$ mm – $r \geq 1$ mm) ; ($h \geq 2$ mm – $r \geq 2$ mm)		X	
6.8	Helmet interior		X	
6.9	Assembly		X	
6.10	Chin strap abrasion		X	
6.11 - 6.11.1	Retention system – Chin strap width (≥ 20 mm)		X	
6.11.2	Under-chin		X	
6.11.3	Chin strap regulation system		X	
6.11.4	Rigid parts		X	
6.11.5	Buckle – "Double D" or "Roller buckle"		X	
6.11.6	Pulling flap (red 10 x 20mm)		X	
6.11.7	Quick release (general requirement)		X	
6.11.8	Quick release (tests par. 7.3, 7.6, 7.7)		X	
6.11.9	Wrong buckle use		X	
6.12	P/J helmets: device that maintains the intended position even during the complete series of impacts and retention (detaching) test (red)		X	
6.13	Material properties (manufacturer declaration)		X	
6.14	Helmet breaking		X	
6.15, 6.15.3.1 6.15.3.2 6.15.3.3	Peripheral vision:	Lateral visual clearance 105°	X	
		Upward visual clearance 7°	X	
		Downward visual clearance 45°	NAP	
6.18.2 to 6.18.6	Reflective parts (see test reports)		X	

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 UK
Vehicle
Certification
Agency

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SPECIFICATION

H.F. Size	[54 to 62]
Impact point Linear	B / P / X / R / S
Anvil	Kerbstone / Flat
Impact point Rotational	45° / 180° / 270° / 0° / 135°
Anvil	45° anvil
Conditioning [°C]	
AMB	25 °C ± 5 °C for more than 4 hours
LOW	-10 °C ± 2 °C for more than 4 hours
HIGH	+50 °C ± 2 °C for more than 4 hours and less than 8 hours
UV+H ₂ O	Ultraviolet radiation by a 150-watt xenon- 48 hours Water spray 4 to 6 hours, 1 litre per minute
Speed [m/s]	7.5 m/s + 0.15 m/s (6-0 + 0.15 m/s for the S point) High Speed 8.2 m/s +0.15 m/s Low Speed 6.0 m/s + 0.15 m/s Rotational 8.0 m/s +0.15 m/s
HIC for Linear	≤ 2400
BrIC for Rotational	High Speed ≤ 2880 Low Speed ≤ 1300 Rotational 0.78
Deceleration	≤ 275 g Low Speed ≤ 180 g Rotational ≤ 10400 rad/s ²

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IMPACT ABSORPTION TESTS

Ref. 7.3

Helmet size XXL (61)

Sticker n°	Internal Id	H.F. Size	Impact point	Anvil	Cond. [°C]	Speed [m/s]	Deceleration ≤ 275 [g]	HIC ≤ 2400
-	23-2228	60	B	FLAT	AMB	7,58	212	1884
			X	FLAT		7,055	256	1902
			P	FLAT		7,65	196	1896
			R	FLAT		7,56	173	1311
-	23-2229	60	B	KERB	AMB	7,58	151	1030
			X	KERB		7,52	205	1812
			P	KERB		7,61	195	1712
			R	KERB		7,62	93	469
-	23-2230	60	B	KERB	+50	7,52	210	1376
			X	KERB		7,65	166	1026
			P	KERB		7,56	189	1126
			R	KERB		7,54	122	739
-	23-2231	60	B	FLAT	-10	7,50	228	2004
			X	FLAT		7,52	211	1609
			P	FLAT		7,58	221	1639
			R	FLAT		7,54	177	1328
-	23-2233	60	B	FLAT	UV + WET	7,59	230	2385
			X	FLAT		7,56	220	1581
			P	FLAT		7,51	197	1802
			R	FLAT		7,58	171	1179

Job Number: [EAB609719]

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Helmet size M (57-58)

Sticker n°	Internal Id	H.F. Size	Impact point	Anvil	Cond. [°C]	Speed [m/s]	Deceleration ≤ 275 [g]	HIC ≤ 2400
-	23-2241	57	B	FLAT	AMB	7,57	185	1322
			X	FLAT		7,63	204	1639
			P	FLAT		7,57	215	1948
			R	FLAT		7,54	175	1286
-	23-2242	57	B	KERB	AMB	7,61	165	1258
			X	KERB		7,63	194	1202
			P	KERB		7,51	183	1743
			R	KERB		7,51	136	900
-	23-2242	57	B	KERB	+50	7,59	162	1205
			X	KERB		7,65	214	1116
			P	KERB		7,51	208	1885
			R	KERB		7,65	125	793
-	23-2243	57	B	FLAT	-10	7,51	202	1439
			X	FLAT		7,51	210	1333
			P	FLAT		7,59	205	2252
			R	FLAT		7,54	177	1160
-	23-2244	57	B	KERB	UV + WET	7,58	199	1639
			X	KERB		7,57	232	1614
			P	FLAT		7,55	266	2128
			R	FLAT		7,55	174	1300

Helmet size XS (53-54)

Sticker n°	Internal Id	H.F. Size	Impact point	Anvil	Cond. [°C]	Speed [m/s]	Deceleration ≤ 275 [g]	HIC ≤ 2400
-	23-2253	54	B	KERB	+50	7,61	138	1084
			X	KERB		7,61	153	993
			P	KERB		7,51	183	1083
			R	KERB		7,51	133	944
-	23-2254	54	B	FLAT	-10	7,60	178	1373
			X	FLAT		7,50	237	1835
			P	FLAT		7,51	228	1795
			R	FLAT		7,60	180	1311

Job Number: **[EAB609719]**

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IMPACT ABSORPTION TESTS, EXTRA POINTS

Ref. 7.3 & 7.3.4.2.1

Helmet size XXL (61)

Sticker n°	Internal Id	H.F. Size	Impact point	Anvil	Cond. [°C]	Speed [m/s]	Deceleration ≤ 275 [g]	HIC ≤ 2400
-	23-2237	60	BP	FLAT	AMB	7,52	165	1343
			BXL	FLAT		7,57	195	1392
			RP	KERB		7,57	210	1437
			BXR	KERB		7,57	201	1612
-	23-2238	60	BP	KERB	AMB	7,50	165	901
			RP	KERB		7,58	216	1423
			BXPL	FLAT		7,67	183	1447
			RXPR	FLAT		7,61	192	1894

Helmet size M (57-58)

Sticker n°	Internal Id	H.F. Size	Impact point	Anvil	Cond. [°C]	Speed [m/s]	Deceleration ≤ 275 [g]	HIC ≤ 2400
-	23-2250	57	BP	FLAT	AMB	7,61	167	1655
			RP	FLAT		7,65	192	1432
			BXR	KERB		7,63	242	1217
			BXL	KERB		7,65	156	1362
-	23-2251	57	XPL	KERB	AMB	7,52	155	891
			RXR	KERB		7,55	181	1403
			RXR	FLAT		7,52	190	1447
			BP	FLAT		7,55	167	1494

HIGH ENERGY IMPACT TESTS

Ref. 7.3 & 7.3.1.4

Helmet size XXL (61)/ M(57-58)-With Intercom universal type

	Internal Id	H.F. Size	Impact point	Anvil	Cond. [°C]	Speed 8.35÷8.2 [m/s]	Deceleration ≤ 275 [g]	HIC ≤ 2880
-	23-2235	60	B	FLAT	AMB	8,23	228	2289
			X	FLAT		8,20	270	2292
			P	FLAT		8,28	260	2392
			R	FLAT		8,20	161	916
-	23-2248	57	B	FLAT	AMB	8,22	223	2213
			X	FLAT		8,20	231	2100
			P	FLAT		8,22	232	2682
			R	FLAT		8,21	179	1431

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LOW ENERGY IMPACT TESTS

Ref. 7.3 & 7.3.1.4

Helmet size XXL (61)- With Intercom universal type

Sticker n°	Internal Id	H.F. Size	Impact point	Anvil	Cond. [°C]	Speed 6.15÷6.0 [m/s]	Deceleration ≤ 180 [g]	HIC ≤ 1300
-	23-2236	62	B	FLAT	AMB	6,00	176	1089
			X	FLAT		6,03	140	688
			P	FLAT		6,02	146	1193
			R	FLAT		6,02	108	450

Helmet size M (57-58)- With Intercom universal type

Sticker n°	Internal Id	H.F. Size	Impact point	Anvil	Cond. [°C]	Speed 6.15÷6.0 [m/s]	Deceleration ≤ 180 [g]	HIC ≤ 1300
-	23-2249	57	B	FLAT	AMB	6,02	173	1114
			X	FLAT		6,03	165	1254
			P	FLAT		6,02	157	1158
			R	FLAT		6,04	167	528

OBLIQUE IMPACT TEST

Ref. 7.13 & Annex 7

Helmet size XXL

Sticker n°	Internal Id	H.F. Size	Impact point	Anvil	Cond. [°C]	Speed 8.15÷8.0 [m/s]	PRA ≤ 10.400 [rad.s ⁻²]	BrIC ≤ 0,78
-	23-3238	62	45°	45°	AMB	8.14	2318	0.31
			180°	45°		8.11	1695	0.22
			270°	45°		8.11	3084	0.34
	23-3237	62	0°	45°	AMB	8.11	2506	0.31
			135°	45°		8.11	257	0.37

Helmet size M (57-58)

Sticker n°	Internal Id	H.F. Size	Impact point	Anvil	Cond. [°C]	Speed 8.15÷8.0 [m/s]	PRA ≤ 10.400 [rad.s ⁻²]	BrIC ≤ 0,78
-	23-3236	57	45°	45°	AMB	8.14	2878	0.35
			180°	45°		8.11	2959	0.29
			270°	45°		8.14	3575	0.34
	23-3235	57	0°	45°	AMB	8.11	3839	0.44
			135°	45°		8.11	3167	0.45

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TEST FOR PROJECTION AND SURFACE FRICTION METHOD B
Ref. 7.4.2

Sticker n°	Helmet Internal Id	Tested Point	Result	
			Pass	Fail
-	23-2252	Front Left (Surface)	X	-
-	23-2252	Air vent rear (Friction)	X	-

RIGIDITY TEST
Ref. 7.5

Sticker n°	Helmet Internal Id	Size	Load Direction	Deformation [mm]		
				Initial (load 30N)	Max 40 [mm] (load 630N)	Final 15 [mm] (load 30N)
-	23-2233	XXL	Transversal	1	11	1
-	23-2333	XXL	Longitudinal	1	12	1
	23-2246	M	Longitudinal	1	10	3
	23-2247	M	Transversal	1	11	2

DYNAMIC TEST OF THE RETENTION SYSTEM
Ref. 7.6

Sticker n°	Helmet Internal Id	Size	Chin Strap	Dynamic 35 [mm]	Residual 25 [mm]
-	23-2257	L	MICRO	28	11

RETENTION (DETACHING) TEST - ROLL OFF
Ref. 7.7

CHIN STRAP: [MICRO]				
Sticker n°	Helmet Internal Id	Size	Chin strap	Roll off Angle ≤ 30°
-	23-2257	L	Reverse Position (7.7.2)	12
		L	Roll-Off (7.7.3)	23

DYNAMIC TEST OF THE RETENTION SYSTEM
Ref. 7.6

Sticker n°	Helmet Internal Id	Size	Chin Strap	Dynamic 35 [mm]	Residual 25 [mm]
-	22-2256	L	DD	27	11

RETENTION (DETACHING) TEST - ROLL OFF
Ref. 7.7

CHIN STRAP: [DD]				
Sticker n°	Helmet Internal Id	Size	Chin strap	Roll off Angle ≤ 30°
-	23-2256	L	Reverse Position (7.7.2)	
		L	Roll-Off (7.7.3)	

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DYNAMIC TEST OF THE RETENTION SYSTEM
Ref. 7.6

Sticker n°	Helmet Internal Id	Size	Chin Strap	Dynamic 35 [mm]	Residual 25 [mm]
-	23-2556	XS	DD	31	12

RETENTION (DETACHING) TEST - ROLL OFF
Ref. 7.7

CHIN STRAP: [DD]					
Sticker n°	Helmet Internal Id	Size	Chin strap	Roll off Angle $\leq 30^\circ$	
-	23-2255	XS	Reverse Position (7.7.2)	22	
		XS	Roll-Off (7.7.3)	25	

DYNAMIC TEST OF THE RETENTION SYSTEM
Ref. 7.6

Sticker n°	Helmet Internal Id	Size	Chin Strap	Dynamic 35 [mm]	Residual 25 [mm]
-	23-2253	XS	MICRO	31	12

RETENTION (DETACHING) TEST - ROLL OFF
Ref. 7.7

CHIN STRAP: [MICRO]					
Sticker n°	Helmet Internal Id	Size	Chin strap	Roll off Angle $\leq 30^\circ$	
-	23-2253	XS	Reverse Position (7.7.2)	22	
		XS	Roll-Off (7.7.3)	25	

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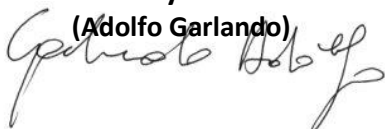
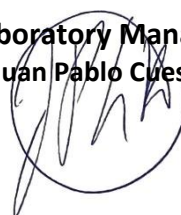


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REFLECTIVE PARTS

Reference	Test	Result	
		Pass or N/A	Fail
6.16.2	Reflective parts (Geometry requirements)	PASS	
6.16.3	Reflective parts (Colorimetric requirements)	PASS	
6.16.4	Reflective parts (Photometric requirements)	PASS	
6.16.5	Reflective parts (Resistance to external agents requirements)	PASS	
6.16.6	Reflective parts (Compatibility of materials requirements)	PASS	

THE SAMPLES TESTED MEET THE REQUIREMENTS OF THE REFERENCE NORM**Laboratory Technician**
(Adolfo Garlando)**Laboratory Manager**
(Juan Pablo Cuesta)**END OF REPORT**Job Number: **[EAB609719]**

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M81 rev.0 11/11/2020

UK
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31/Jan-24

QUALIFICATION
UNECE n°22 Series 06

Job Number	EAB609719	
Report	Code:	KH5 SV Q.o.P E2206 26102023
	Date:	26/10/2023
Manufacturer	Name:	PT. Tara Citra Kusuma
	Address:	Jl. Meranti 3 Blok L 10 No 3 & 5 Delta Silicon Industrial Park Lippo Cikarang Bekasi Jawa Barat Indonesia 17550
Representative	N/AP	
Sample	Sun Visor model: K5SV	
	Arrival date:	24/10/2023 Testing date: 26/10/2023

Essential Technical Data

VISOR MATERIAL

moulded in PC

OTHER TECHNICAL DETAILS

See Manufacturers Technical Specification

ENVIRONMENTAL CONDITIONS

Temperature [°C] 20.2

Used Machine	Identifier /Manufacturer	Expiry Date
Luminous transmittance	M0115 (JASCO)	31/05/2024
Refractive Powers	M0144 (AD Engineering)	31/05/2024

The Sun Visor has been tested in the configuration as supplied by the client.**THE SAMPLES TESTED PASS THE REQUIREMENTS OF THE REFERENCE NORM.****Laboratory Technician**
(Adolfo Garlando)**Laboratory Manager**
(Juan Pablo Cuesta)

Job Number: [EAB609719]

M90 rev.0 22032021

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Group n°	Test	Visors
A	Light transmission	10
	Recognition of light signals	
	Spectral transmission	
B	Refractive Powers	10

REFRACTIVE POWERS

Ref. 6.15.3.8 – Annex 15

Internal Id	Side	Spherical power	Astigmatic power	Base	Prismatic power		RESULT
		+/-0,12	0,12		Limits Horiz	Limits Vert	
		[m ⁻¹]	[m ⁻¹]	OUT	Base IN:<0,25	<0,25	
					Base OUT:<1		
					[cm/m]	[cm/m]	[Pass/Fail]
23-2999	DX	-0,03	0,04	OUT	0,063	0,024	PASS
	SX	-0,02	0,03		0,292	0,010	
23-3000	DX	-0,04	0,03	OUT	0,063	0,024	PASS
	SX	-0,03	0,04		0,292	0,010	
23-3001	DX	-0,03	0,05	OUT	0,097	0,015	PASS
	SX	-0,03	0,04		0,049	0,010	
23-3002	DX	-0,04	0,05	OUT	0,024	0,024	PASS
	SX	-0,03	0,06		0,292	0,010	
23-3003	DX	-0,07	0,01	OUT	0,049	0,024	PASS
	SX	-0,03	0,04		0,010	0,010	
23-3004	DX	-0,03	0,01	OUT	0,097	0,024	PASS
	SX	-0,02	0,03		0,063	0,010	
23-3005	DX	-0,04	0,01	OUT	0,097	0,024	PASS
	SX	-0,03	0,02		0,021	0,010	
23-3006	DX	-0,02	0,02	OUT	0,015	0,019	PASS
	SX	-0,02	0,02		0,015	0,015	
23-3007	DX	-0,01	0,00	OUT	0,097	0,024	PASS
	SX	-0,03	0,03		0,024	0,010	
23-3008	DX	-0,02	0,04	OUT	0,039	0,024	PASS
	SX	-0,02	0,05		0,058	0,010	

Job Number: [EAB609719]

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 31-Jan-24

LUMINOUS TRANSMITTANCE (Ref. 7.8.3.2.1.1 – A13)
RECOGNITION OF SIGNAL LIGHTS (Ref. 7.8.3.2.1.1)
SPECTRAL TRANSMITTANCE (Ref. 7.8.3.2.1.1)

Internal Id	Luminous transmittance	Recognition of signal lights				Spectral Transmittance		
		Qred	Qyellow	Qgreen	Qblu	Result	Limit	Result
	$\tau_v > 20\%$	$\geq 0,8$	$\geq 0,6$	$\geq 0,6$	$\geq 0,6$	τ_f [475 – 650 nm]	$> 0.2 \tau_v$	[Pass/Fail]
23-3009	49,36% Pass	0,998	0,982	1,015	1,088	0,464	> 0,099	Pass
23-3010	49,32% Pass	0,995	0,981	1,016	1,089	0,464	> 0,099	Pass
23-3011	49,32% Pass	0,995	0,981	1,016	1,089	0,464	> 0,099	Pass
23-3012	49,17% Pass	0,990	0,980	1,017	1,089	0,464	> 0,098	Pass
23-3013	49,28% Pass	0,992	0,980	1,017	1,089	0,464	> 0,099	Pass
23-3014	48,75% Pass	0,952	0,969	1,026	1,100	0,400	> 0,097	Pass
23-3015	49,06% Pass	0,992	0,983	1,016	1,082	0,464	> 0,098	Pass
23-3016	49,43% Pass	0,984	0,981	1,016	1,087	0,464	> 0,099	Pass
23-3017	49,19% Pass	0,985	0,978	1,018	1,091	0,464	> 0,098	Pass
23-3018	49,06% Pass	0,995	0,988	1,010	1,082	0,460	> 0,098	Pass

END OF REPORT

Job Number: **[EAB609719]**



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31-Jan-24

SUN VISOR TEST REPORT
UNECE n°22 Series 06

Job Number	EAB609719		
Report	Code:	K5SV E2206 17072023	
	Date:	17/07/2023	
Manufacturer	Name:	PT. Tara Citra Kusuma	
	Address:	Jl. Meranti 3 Blok L 10 No 3 & 5 Delta Silicon Industrial Park Lippo Cikarang Bekasi Jawa Barat Indonesia 17550	
Representative	[it does not apply]		
Sample	Sun Visor model:	K5SV	
	Arrival date:	13/07/2023	Testing date: 17/07/2023

Essential Technical Data

VISOR MATERIAL	moulded in PC	
OTHER TECHNICAL DETAILS	See Manufacturers Technical Specification	
ENVIRONMENTAL CONDITIONS	Temperature [°C]	20.2

Used Machine	Identifier /Manufacturer	Expiry Date
Luminous transmittance	M0115 (JASCO)	31/05/2024
Refractive Powers	M0144 (AD Engineering)	31/05/2024
Mist retardant visor	M0142(AD Engineering)	15/11/2023

The Sun Visor has been tested in the configuration as supplied by the client.

THE SAMPLES TESTED [PASS] THE REQUIREMENTS OF THE REFERENCE NORM.

Laboratory Technician

(Adolfo Garlando)



Laboratory Manager

(Juan Pablo Cuesta)



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31-Jan-24

Job Number: **[EAB609719]**

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K5SV
REFRACTIVE POWERS

Ref. Annex 15

Internal Id	Side	Spherical power +/-0,12 [m ⁻¹]	Astigmatic power 0,12 [m ⁻¹]	Base OUT	Prismatic power		RESULT
					Limits Horiz Base IN:<0,25 Base OUT:<1 [cm/m]	Limits Vert <0,25 [cm/m]	
23-2993	DX	0,01	0,04	OUT	0,097	0,044	PASS
	SX	-0,01	0,03		0,015	0,010	
23-2994	DX	0,00	0,02	OUT	0,010	0,024	PASS
	SX	-0,01	0,01		0,015	0,010	
23-2995	DX	0,00	0,00	OUT	0,015	0,005	PASS
	SX	-0,02	0,04		0,019	0,010	

LUMINOUS TRANSMITTANCE (Ref. 7.8.3.2.1.1 – A13)
RECOGNITION OF SIGNAL LIGHTS (7.8.3.2.1.1)
SPECTRAL TRANSMITTANCE (Ref. 7.8.3.2.1.1)

Internal Id	Luminous transmittance	Recognition of signal lights				Spectral Transmittance		
		Qred	Qyellow	Qgreen	Qblue	Result	Limit	Result
	$\tau_v > 20\%$	$\geq 0,8$	$\geq 0,6$	$\geq 0,6$	$\geq 0,6$	τ_f [475 – 650 nm]	$> 0.2 \tau_v$	[Pass/Fail]
23-2996	49,23%	0,988	0,979	1,017	1,090	0,464	> 0,098	Pass
	Pass							
23-2997	49,21%	0,989	0,979	1,018	1,091	0,464	> 0,098	Pass
	Pass							
23-2998	49,22%	0,975	0,977	1,019	1,090	0,464	> 0,098	Pass
	Pass							


END OF REPORT

 Job Number: **[EAB609719]**

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 2/2
 31-Jan-24

VCA JOB NUMER: EAB609719MANUFACTURER: PT. TARA CITRA KUSUMA.TYPE: K5H

The undersigned confirms that the tests conducted under the above job number have been carried out in accordance with the requirements of the specified Regulation/Directive and the Licence between OMEGA S.R.L. and VCA relating to type approval testing.

The undersigned has not been involved in any design nor development work on the products to be approved nor, any related product.

SIGNED:



NAME (in capitals): J.P. CUESTA RUIZ

DATE: 19th October 2023