

सेन्टर फॉर स्किलिंग एण्ड
तकनीकल सपोर्ट (सीएसटीएस)

रसायन एवं पेट्रोसायन विभाग,
रसायन एवं उर्वरक मंत्रालय, भारत सरकार)
जी-सेक्टर, गोविन्दपुरा औद्योगिक क्षेत्र, जे. के. रोड,
भोपाल - 462 023 (म. प्र.) भारत
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मुख्यालय : गिण्डी, चेन्नई - 600 032



CIPET : CENTRE FOR SKILLING AND
TECHNICAL SUPPORT (CSTS)

(Department of Chemicals & Petrochemicals,
Ministry of Chemicals & Fertilizers, Govt. of India)
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Website : www.cipet.gov.in
Head Office : Guindy, Chennai - 600 032

PLASTIC TESTING CENTRE
TEST CERTIFICATE



Series : []

क्र. No. 14550

Issued to

M/s Jarsh Innovations Pvt. Ltd.
12/13/645/D/1, Nagarjuna Nagar,
Tarnaka, Hyderabad - 500017



ULR No. TC-637818000000476F

टेस्ट रिपोर्ट नं. 21392 B
दिनांक: 21.12.2018
पेज नं. 1 of 4

TEST REPORT AS PER IS: 2925-84 with Amendment No. 1, 2, 3 & 4

PART-A

PARTICULARS OF SAMPLE SUBMITTED

नमूने का विवरण/ Sample details : Industrial Safety Helmets - As stated by the party

संदर्भ : Letter

दिनांक : 20.12.2018

उत्पादन कोड/ब्रान्ड/ Product Code / Brand/Size : Jarsh Kepi 2.0 - Model S
उत्पादकता की दिनांक /Date of manufacturing : Nil
बैच नं. / Batch No./ S.R. No. : Nil
प्राप्त नमूने की दिनांक /Date of sample received : 30.11.2018
परीक्षण समय /Test Duration : 30.11.2018 to 20.12.2018
नमूने की मात्रा / Qty of sample received : 10 Nos (05 Nos With Electronics & 05 Nos Without Electronics)
अन्य विवरण/Any other details : Nil

JARSH AC HELMET
WITH EXTERNALLY
MOUNTED BATTERY

Note:

1. This report, in full or part, shall not be published, advertised, used for any legal action, unless prior permission has been secured.
2. This test report is only for the sample tested.

PART- B

SUPPLEMENTRY INFORMATIONS

- a) Reference to sampling procedure wherever applicable : Supplied by the party
- b) Supporting documents for the measurements taken and : As given in Part-C
Results derived like graphs, tables, sketches and/or
Photographs as appropriate to test report, if any (to be attached).
- c) Deviation from the test methods as prescribed in : Nil
Relevant work instruction, if any

निरंतर ----2 Contd....2

Subha Jayaraman - (S.T.O.)
अधिकृत हस्ताक्षर /Authorised Signatory

Alok Sahu - Chief Manager (T.S.)
अधिकृत हस्ताक्षर /Authorised Signatory



ULR No. TC-63781800000476F

टेस्ट रिपोर्ट नं. 21392 B

दिनांक : 21.12.2018

पेज नं. 2 of 4

PART-C

TEST RESULT AS PER IS: 2925-84 with Amendment No. 1, 2, 3 & 4

S.N.	Clause	Name of the test	Unit	Test value obtained	Specified Requirement
1	3	Materials			
	3.1	Shell Material	--	Conforms	shall be non-metallic material.
	3.2	Harness	--	Conforms	The headband anti concussion tape etc shall be sweat resistance, non irritant and shall not cause skin disease.
2.	4.1	Sizes			
			mm	540 - 590 Conforms	a) 520/530/540/550/560/570/ 580/590/600 b) The size adjustment range shall be clearly marked on helmet
3.	5.1	Constructions			
	i)	Shell	--	Conforms	a) Shell shall be dome -shaped.
			--	Conforms	b) There shall not be any metallic component passing through the shell.
			--	Conforms	c) shall be Provided with a brim with or without a peak.
			--	Conforms	d) Shall be intergral part of the shell and these shall have no sharp edges
--			Conforms	e) Brim shall be continous around the dome	
		mm	8.8	f) Length of brim, 6mm (minimum)	
		mm	42.8	g) Length of peak 50 mm (maximum)	
4.	ii)	Ventilation holes	--		a)The position of ventilation holes shall be such that the central axis of the holes is almost horizontal.
			mm	Not Provided	b)Diameter of hole shall not exceed 6 mm.
			mm		c)Distance between the edges of holes shall not be less 15mm .
			No.		d)Minimum no. of holes on each side shall not be less than 3 .
			mm ²		e) The total aggregate area of holes shall be in the range of 180 to 300mm ²
5.	5.2	Harness			
	5.2.1	Head Band	mm	30.6	a) Width 30 mm (min)
			--	Conforms	b) Adjustment to any sizes as in clause 4.1 may be readily made.
		--	Conforms	c) It shall be securely attached in the helmet shell and crown strap.	
		mm	6.1	d) Distance of head band from the shell 5 mm (min)	

निरंतर -3/Contd....3/-

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Alok Sahu - Chief Manager (T.S.)

अधिकृत हस्ताक्षर / Authorised Signatory



Certificate No.: TC-8378



ULR No. TC-637818000000476F

टेस्ट रिपोर्ट नं. 21392 B

दिनांक : 21.12.2018

पेज नं. 3 of 4

PART-C					
TEST RESULT AS PER IS: 2925-84 with Amendment No. 1, 2, 3 & 4					
S.N.	Clause	Name of the test	Unit	Test value obtained	Specified Requirement
6.	5.2.2	Cradle	No. mm mm mm	4.0 19.6 31.2 99.2	a) Head band anchoring points, 4 Nos (min) b) Width of strap, 19 mm (min) c) Clearance between top of the wearers head and top of the helmet crown at the smallest size shall not be less than 30 mm d) Wearing height at Max., 80 (min), (depth to fit)
7.	5.3	Chin strap or nape Strap			
	5.3.1	Chin strap	mm -- --	19.1 Conforms Conforms	a) It shall be attached to shell and shall atleast 19 mm wide b) Shall be permanently fitted with fastening device to adjust and maintain tension c) Shall confirm to the requirement (Appendix D)
8.	5.3.2	Nape Strap	-- -- mm	Conforms Conforms 123.5	a) It shall be either intergral part or as an attachment to the head band b) Shall be adjustable c) Depth as per 5.3.2.1, 115 mm (min)
9.	5.5	Cable Clip	--	Conforms Conforms	Shall be made of plastic/ suitable material and fixed to the shell The cable clip shall remain intact
10.	6.0	Workmanship and finish		Conforms Conforms	a) The helmet shall be finished smooth, free from burrs, sharp edges shall be removed to ensure proper surface contact of fittings. b) All metal parts shall be smooth and free from sharp or rough edges or projections
11.	7.0	Mass (i) Shell (ii) Helmet	gm gm	278.6 580.4	a) The complete mass shall be 400 gm (max) without attachment b) Mass of shell with attachment

निरंतर -4/Contd...4/-

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Alok Sahu
Alok Sahu - Chief Manager (T.S.)
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ULR No. TC-63781800000476F

टेस्ट रिपोर्ट नं. 21392 B

दिनांक : 21.12.2018

पेज नं. 4 of 4

PART-C

TEST RESULT AS PER IS: 2925-84 with Amendment No. 1, 2, 3 & 4

S.N	Clause	Name of the test	Unit	Test value obtained	Specified Requirement
12.	8.1	Shock absorption resistance			
		Force transmitted from head foam to cindition to the base, 5 KN (max) 1. Conditioned at 50°C ±5 for 4 h	kN	Conforms 0.11	The shell shall not show any penetration or crack and harness shall not show any damage deteriorating its functioning. Force transmitted from head foam to conditioned base, 5 kN (max)
		2. Conditioned at -10°C ±2 for 4h	kN	Conforms 1.42	The shell shall not show any penetration or crack and harness shall not show any damage deteriorating its functioning. Force transmitted from head foam to conditioned base, 5 kN (max)
		3. Conditioned under flowing water for 4 h @ 1 lit/min	kN	Conforms 0.76	The shell shall not show any penetration or crack and harness shall not show any damage deteriorating its functioning. Force transmitted from head foam to conditioned base, 5 kN (max)
13.	8.2	Penetration resistance	--	Conforms	a) Shall neither break nor pierced through sufficiently to touch the headform
			--	Conforms	b) No integral part shall fail or stretch permitting the helmet to be forced down over the head forms.
			mm	1.07	c) Depth of penetration,, 10 mm (max)
	8.3	Flammability Resistance	--	Conforms	The material of the shell shall not burn with emmission or flame after period of 5 sec. after the removal of the flame.
	8.4	Electrical resistance	--	Conforms	The shell shall not show a leakage of current in excess of 3 mA
	8.5	Water abosrption	%	0.84	5% (max)
8.6	Heat Resistance	--	Conforms	The shell shall not separate distort or soften	

PART-D

Remark: :Nil

Note:

1. Selection of samples for individual test have been done in accordance with respective clauses of IS: 2925-84 with Amendment No. 1, 2, 3 & 4.
2. Details of test sub-contracted: Nil
3. Remnant samples will be disposed after 3 months from the date of issue of test report

Subha Jayaraman
Subha Jayaraman - (S.T.O.)

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Alok Sahu
Alok Sahu - Chief Manager (T.S.)

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