

**सिपेट : कौशल एवं तकनीकी
सहायता केन्द्र (सी.एस.टी.एस.)**

(रसायन एवं पेट्रोकेमिकल विभाग,
रसायन एवं उर्वरक मंत्रालय, भारत सरकार)

जी-सेक्टर, गोविन्दपुरा औद्योगिक क्षेत्र, जे. के. रोड,
भोपाल - 462 023 (म. प्र.) भारत

फोन : 0755-4028602-640, 2684769, 2688288

ई-मेल : bhopal@cipet.gov.in
cipet.bhopal@gmail.com

वेबसाइट : www.cipet.gov.in

मुख्यालय : गिण्डी, चेन्नई - 600 032



**CIPET : CENTRE FOR SKILLING AND
TECHNICAL SUPPORT (CSTS)**

(Department of Chemicals & Petrochemicals,
Ministry of Chemicals & Fertilizers, Govt. of India)

G-Sector, Govindpura Industrial Area, J. K. Road,
Bhopal - 462 023 (M.P.) INDIA

Phone : 0755-4028602-640, 2684769, 2688288

E-mail : bhopal@cipet.gov.in
cipet.bhopal@gmail.com

Website : www.cipet.gov.in

Head Office : Guindy, Chennai - 600 032

कोरियर / स्पीड पोस्ट / बाय हैंड
Courier / Speed Post / By Hand

क्रं: सिपेट: सी- एस- टी- एस-/बी.सी./2024-25/पी.टी.सी. 173
No. CIPET: CSTS/BC/2024-25/PTC

दिनांक : 29.04.2024
Date: 29.04.2024

To, /प्रति,

मैसर्स उद्योगी इंटरनेशनल प्राइवेट लिमिटेड
294, बी.बी. गांगुली स्ट्रीट, दूसरी मंजिल,
कोलकाता - 700 012

M/s Udyogi International Private Limited
294, B.B. Ganguly Street, 2nd Floor,
Kolkata - 700 012

विषय: परीक्षण हेतु
Sub: For Testing

संदर्भ क्रमांक / Ref. No: परीक्षण अनुरोध संदर्भ संख्या. टीआर/0224/ 8000 /
Test Request reference no. TR/0224/8000

दिनांक / Date : 24.04.2024

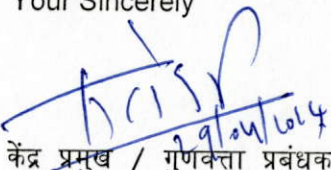
महोदय /Dear Sir,

कृपया हमारी परीक्षण रिपोर्ट क्रमांक 29822 दिनांक 29.04.2024 एवं इन्वॉइस क्रमांक PTC/2024-25/0057 दिनांक 29.04.2024 प्राप्त करें। यदि आपके द्वारा टी डी एस कटौती की गयी हो तो उसका प्रमाण पत्र भेजने का कष्ट करें।
Please, find the Test Report No. 29822 dated 29.04.2024 and Invoice No. PTC/2024-25/0057 dated 29.04.2024. If TDS has been deducted by you, please send the certificate of the same.

संलग्न कस्टमर फीडबैक फॉर्म भरकर वापस भेजने का कष्ट करें।
Please fill out the attached customer feedback form and send it back.

धन्यवाद
Thanks

भवदीय
Your Sincerely



केंद्र प्रमुख / गुणवत्ता प्रबंधक
Centre Head / Quality Manager
संलग्न : उपरोक्तानुसार
Enclosed: As above

सिपेट : कौशल एवं तकनीकी
सहायता केन्द्र (सी.एस.टी.एस.)

(रसायन एवं पेट्रो रसायन विभाग,

रसायन एवं उर्वरक मंत्रालय, भारत सरकार)

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भोपाल - 462 023 (म. प्र.) भारत

फोन : 0755-4028609, 629

फैक्स : +91-755-2689041

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cipet.bhopal@gmail.com

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मुख्यालय : गिण्डी, चेन्नई - 600 032



सिपेट CIPET

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Head Office : Guindy, Chennai - 600 032

PLASTIC TESTING CENTRE
TEST CERTIFICATE



Series : E

क्र. No. 26101

Issued to

M/s Udyogi International Private Limited

294, B.B. Ganguly Street, 2nd Floor,

Kolkata - 700 012



TC-6378

ULR No. TC-637824000000665F

Test Report No. 29822

Date: 29.04.2024

Page No. 1 of 4

TEST REPORT AS PER IS 2925 : 1984 (Reaffirmed Year : 2020) with Latest Amendment

PART-A

PARTICULARS OF SAMPLE SUBMITTED

नमूने का विवरण / Sample details : Testing of Helmet - As stated by party

संदर्भ: Test Request reference no. TR/0224/8000

दिनांक: 24.02.2024

ग्रेड / वेरिटी / टाईप / साईज / क्लास /

Grade/Variety/Type/Size/Class/Make

: Helmet

बैच नं. / लोट नं. / Batch No./ Lot No.

: Nil

उत्पादकता की दिनांक / Date of manufacturing

: Nil

प्राप्त नमूने की दिनांक / Date of sample received

: 06.03.2024

परीक्षण समय / Test Duration

: 13.04.2024 to 29.04.2024

नमूने की मात्रा / Qty of sample received

: 10 Pcs.

प्राप्त नमूने की स्थिति / Condition of receipt of sample

: Packed in Carton Box

अन्य विवरण / Any other details

: Model: Vista 8000 series

इन्वायरमेंटल स्थिति / Environmental Condition

: Temp. 27±2°C RH 65±5%

PART-B

SUPPLEMENTRY INFORMATIONS

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

निरंतर / Contd...2.

Mamata Sahoo - (A.T.O.)

अधिकृत हस्ताक्षर / Authorised Signatory

Dr. Sanjeev Kumar Jain - Manager (T.S.)

अधिकृत हस्ताक्षर / Authorised Signatory

Series : E

क्र. No.: 26101



ULR No. TC-637824000000665F

टेस्ट रिपोर्ट नं. 29822

दिनांक : 29.04.2024

पेज नं. 2 of 4

PART-C

TEST RESULTS AS PER IS 2925 : 1984 (Reaffirmed Year: 2020) With Latest Amendment

S.N.	Clause	Name of the test	Test Method	Unit	Test value obtained	Specified Requirement
Discipline : Mechanical			Group : Plastics and Plastic Products			
1	3	Materials				
	3.1	Shell Material	IS 2925	--	Conforms (HDPE)	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	520 - 600	a) 520/530/540/550/560/570/580/590/600
				--	Conforms	b) The size adjustment range shall be clearly marked on helmet
3.	5.1	Constructions				
	i)	Shell	IS 2925	--	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 aroundthe dome
				mm	6.4	f) Length of brim, 6mm (minimum)
				mm	46.5	g) Length of peak 50 mm (maximum)
4.	ii)	Ventilation holes	IS 2925	--		a)The position of ventilation holes shall be such that the central axis of the holes is almost horizontal.
				mm		b)Diameter of hole shall not exceed 6 mm.
				mm	Not Provided	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	IS 2925	mm	40.6	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	12.0	d) Distance of head band from the shell 5 mm (min)

निरंतर -3/Contd....3

Mamata Sahoo - (A.T.O.)

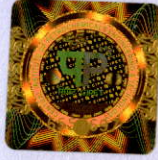
अधिकृत हस्ताक्षर /Authorised Signatory

Dr. Sanjeev Kumar Jain-Manager (T.S.)

अधिकृत हस्ताक्षर /Authorised Signatory

Series : E

क्र. No.: 26101



ULR No. TC-63782400000665F

टेस्ट रिपोर्ट नं. 29822

दिनांक : 29.04.2024

पेज नं. 3 of 4

PART-C

TEST RESULTS AS PER IS 2925 : 1984 (Reaffirmed Year: 2020) With Latest Amendment

S.N.	Clause	Name of the test	Test Method	Unit	Test value obtained	Specified Requirement
Discipline : Mechanical				Group : Plastics and Plastic Products		
6.	5.2.2	Cradle	IS 2925 (Annex. C)	Nos.	04	a) Head band anchoring points, 4 Nos (min)
				mm	20.0	b) width of strap, 19 mm (min)
				mm	50.4	c) Clearance between top of the helmet and top of the helmet crown at the smallest size shall not be less than 30 mm
				mm	80.1	d) Wearing height at Max., 80 (min), (depth to fit)
7.	5.3	Chin strap or nape Strap				
	5.3.1	Chin strap	IS 2925 (Annex. D)	mm	20.1	a) It shall be attached to shell and shall atleast 19 mm wide
8.	5.3.2	Nape Strap	IS 2925	--	Conforms	b) Shall be permanently fitted with fastening device to adjust and maintain tension
				--	Conforms	a) It shall be either intergral part or as an attachment to the head band
				mm	239.0	b) Shall be adjustable
9.	5.4	Lamp Bracket	IS 2925	--	Not Provided	c) Depth as per 5.3.2.1, 115 mm (min)
10.	5.5	Cable Clip	IS 2925	--	Not Provided	Shall be made of plastic/Suitable material and fixed to the shell
11.	6.0	Workmanship and finish	IS 2925	--	Conforms	Shall be made of plastic/ suitable material and fixed to the shell
				--	No metal parts	The cable clip shall remain intact
12.	7.0	Mass (i) Shell	IS 2925	gm	273.2	a) The helmet shall be finished smooth, free from burrs, sharp edges shall be removed to ensure proper surface contact of fittings.
		(ii) Helmet		gm	369.5	b) All metal parts shall be smooth and free from sharp or rough edges or projections.
13	8.1	Shock absorption resistance				
		1. Conditioned at 50°C ±5 for 4h	IS 2925 (Annex. E)	--	Conforms	a) The complete mass shall be 400 g (max) without attachment
				kN	1.40	b) Mass of shell with attachment
						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)

निरंतर -4/Contd....4

Mamata Sahoo - (A.T.O.)

अधिकृत हस्ताक्षर / Authorised Signatory

Dr. Sanjeev Kumar Jaiswal - Manager (T.S.)

अधिकृत हस्ताक्षर / Authorised Signatory

Series : E

क्र. No.: 26101



ULR No. TC-63782400000665F

टेस्ट रिपोर्ट नं. 29822

दिनांक : 29.04.2024

पेज नं. 4 of 4

PART-C

TEST RESULTS AS PER IS 2925 : 1984 (Reaffirmed Year: 2020) With Latest Amendment

S.N	Clause	Name of the test	Test Method	Unit	Test value obtained	Specified Requirement
Discipline : Mechanical			Group : Plastics and Plastic Products			
14.		2. Conditioned at -10°C ±2 for 4h	IS 2925 (Annex. E)	--	Conforms	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)
				kN	2.00	
15.		3. Conditioned under flowing water for 4 h at 1 lit/min	IS 2925 (Annex. F)	--	Conforms	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)
				kN	2.33	
16.	8.2	Penetration resistance After conditioned at -10°C ±2 for 4 hrs. under flowing water for 4 h at 1 lit/min	IS 2925 (Annex. F)	--	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	0.98	c) Depth of penetration 10 mm (max)
17.	8.3	Flammability Resistance Flame application for 10 sec. between 50 to 100mm from crown	IS 2925 (Annex. H)	--	Conforms	The material of the shell shall not burn with emission or flame after period of 5 sec. after the removal of the flame.
18.	8.4	Electrical resistance At (AC current applied 2000V at 50 Hz for 1 minute)	IS 2925 (Annex. G)	--	Conforms	The shell shall not show a leakage of current in excess of 3 mA
19.	8.6	Heat Resistance At 93±5°C for 15 minute	IS 2925 (Annex. I)	--	Conforms	The shell shall not separate distort or soften
Discipline: Chemical			Group : Plastics & Resins			
20.	8.5	Water absorption At 27°C for 24 hrs.	IS 2925 (Annex. H)	%	0.25	5% (max)

PART-D

Remark: :Nil

Note:

1. This Test Report / Certificate is issued only for the samples submitted to CIPET.
2. The results stated above related only to the sample tested.
3. The quality of the subsequent production lot has to be ensured by the purchaser.
4. The report full or part shall not be reproduced, published, advertised, and used for any legal action without written approval from the laboratory.
5. Selections of samples for individual test have been done in accordance with respective clause of IS 2925 : 1984 (Reaffirmed Year: 2020) With Latest Amendment.
6. Details of test sub-contracted: Nil
7. Remnant samples will be disposed after 3 months from the date of issue of test report.
8. Statement of conformity of a specification or standard is provided by laboratory taking into account the level of risk associated /borderline case with the decision rule employed.

Mamata Sahoo - (A.T.O.)

अधिकृत हस्ताक्षर / Authorised Signatory

Dr. Sanjeev Kumar Jain-Manager (T.S.)

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