सिपेट : कौशल एवं तकनीकी सहायता केन्द्र (सी.एस.टी.एस.)
(रसायन एवं पेट्रोरसायन विभाग,
रसायन एवं उर्वरक मंत्रालय, भारत सरकार)
जी-सेक्टर, गोविन्दपुरा औद्योगिक क्षेत्र, जे. के. रोड,
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ई-मेल : cipet.bhopal@gmail.com
वेबसाइट : www.cipet.gov.in
मुख्यालय : गिण्डी, चेन्नई - 600 032

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एक कदम स्वच्छता की ओर

CIPET : CENTRE FOR SKILLING AND TECHNICAL SUPPORT (C.S.T.S.)
(Department of Chemicals & Petrochemicals,
Ministry of Chemicals & Fertilizers, Govt. of India)
G-Sector, Govindpura Industrial Area, J. K. Road,
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Website : www.cipet.gov.in
Head Office : Guindy, Chennai - 600 032

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

क.: सिपेटःसी एस टी एस / बी.सी. / 2021–22 / 2142

दिनांक: 27.01.2022

प्रति,

M/s Jarsh Innovations Private Limited
Plot No. 29, Panchvati Colony, 4thFloor,
Bowenpally, Secundrabad – 500 009

विषय : परीक्षण हेतु।

संन्दर्भ : Letter & E-mail

दिनांक : 01.12.2021 & 25.01.2022

महोदय,

कृपया हमारी परीक्षण रिर्पोट कमांक 25963 दिनांक 27.01.2022 एंव इनवाइस कमांक PTC/2021-22/6446 दिनांक 27.01.2022 प्राप्त करें। यदि आपके द्वारा टी.डी.एस. कटौती की गयी हो तो उसका प्रमाण पत्र अतिशीघ्र भेजने का कष्ट करें।

सलंग्न कस्टमर फीड बैक फार्म भरकर वापस भेजने का कष्ट करें।

धन्यवाद,

भवदीय,

27/01/22

केन्द्र प्रमुख / गुणवत्ता प्रबंधक

संलग्न : उपरोक्तानुसार

सिपेट : कौशल एवं तकनीकी सहायता केन्द्र (सी.एस.टी.एस.)
(रसायन एवं पेट्रोरसायन विभाग,
रसायन एवं उर्वरक मंत्रालय, भारत सरकार)
जी-सेक्टर, गोविन्दपुरा औद्योगिक क्षेत्र, जे. के. रोड,
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Website : www.cipet.gov.in
Head Office : Guindy, Chennai - 600 032

PLASTIC TESTING CENTRE
TEST CERTIFICATE

Series : E

क्र.No. 20966

Issued to
M/s Jarsh Innovations Private Limited
Plot No. 29, Panchvati Colony, 4thFloor,
Bowenpally, Secundrabad – 500 009

टेस्ट रिपोर्ट नं. 25963
दिनांक: 27.01.2022
पेज नं. 1 of 4

TEST REPORT AS PER EN 397:2012

PART-A

PARTICULARS OF SAMPLE SUBMITTED

नमुने का विवरण /Sample details : **Jarsh Air conditioned Helmet (JACH01) - As stated by the party**

संदर्भ: Letter & E-mail
दिनांक: 01.12.2021 & 25.01.2022

ग्रेड /वेरेटी/टाईप/ साईज/क्लास/ Grade/Variety/Type/Size/Class/Make	: Nil
बैच नं. /लोट नं/ Batch No./ Lot No.	: Nil
उत्पादकता की दिनांक /Date of manufacturing	: Nil
प्राप्त नमूने की दिनांक /Date of sample received	: 23.12.2021 & 11.01.2022
परीक्षण समय /Test Duration	: 28.12.2021 to 25.01.2022
नमूने की मात्रा / Qty of sample received	: 08 Nos + 04 Nos = 10 Nos
प्राप्त नमूने की स्थिति/Condition of receipt of sample	: Packed in Cartoon Box
अन्य विवरण/Any other details	: Name : Jarsh Air conditioned Helmet, Code : JACH01

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.

25.01.2022
Mamata Sahoo – (A.T.O.)
अधिकृत हस्ताक्षर /Authorised Signatory

27/1/22
Dr. Sanjeev Kumar Jain - Manager (T.S.)
अधिकृत हस्ताक्षर /Authorised Signatory

PART-C

TEST RESULTS AS PER EN 397:2012

S.No	Clause	Name of the test	Test Method	Unit	Test value obtained	Specified Requirement
		Physical Requirements				
01.	4.1	Material	EN 397	-	Polypropylene (PP)	-
		Construction	EN 397	-	Conforms	The helmet shall include at least a shell and a harness.
				-	Conforms	The Helmet should have uniform strength, light weight and shall not be specially reinforced. No Part of the helmet should have sharp protruding edges and the outer surface of the shell should be smoothly finished.
				-	Conforms	The design of the helmet should provide for maximal adjustment of the herness within the shell, in order to optimize wearer comfort.
				-	Conforms	Where vantilation holes are provided, it should be noted that vantilation may be improved when fresh air is able to enter the helmet around its lower edge and to exit via holes in the shell located in the uper one third of the shell.
02.	4.2	External vertical Distance	EN 397	mm	50.26	Shall be no more than 80
03.	4.3	Internal vertical Distance	EN 397	mm	43.80	Shall be no more than 50
04.	4.4	Internal vertical Clearance	EN 397	mm	41.6	Shall be no less than 25
05.	4.5	Horizontal Distance	EN 397	mm	8.7 & 10.65	The front and side of the helmet shall be no less than 5mm
06.	4.6	Wearing Height	EN 397	mm	82 - 93	Shall be no less than 80, 85 & 90 mm of size of headform (from size designations 525, 555 and 585) appropriate to its adjustment range.
07.	4.7	Harness	EN 397	-	Conforms	A harness shall include a headband and nape strap.
08.	4.7.1	Headband/ nape strap		mm	3.84	The length of the headband or the nape strap shall be adjustable in increments of no more than 5mm.
09.	4.7.2	Cradle a. Individual widths b. Total of the widths		mm mm	19.3 77.4	If the cradle incorporates textile tapes, their individual widths shall be no less than 15 mm, and the toal of the widths of the tapes radiating from their intersection shall be no less than 72 mm.

निरंतर / Contd....3

27-01-2022

Mamata Sahoo – (A.T.O.)
अधिकृत हस्ताक्षर /Authorised Signatory

25/01/2022

Dr. Sanjeev Kumar Jain - Manager (T.S.)
अधिकृत हस्ताक्षर /Authorised Signatory

PART-C

TEST RESULTS AS PER EN 397:2012

S.No	Clause	Name of the test	Test Method	Unit	Test value obtained	Specified Requirement
10.	4.7.3	Comfort band or sweatband	EN 397:2012	mm	104.5	Sweat band shall cover the inner front surface of the headband for a length of no less than 100 mm each side of the center of the forehead the length shall be measured with a flexible measure along a line 10 mm) 1 mm above the lower edge of the headband. The sweatband shall have a width not less than that of the headband over the length which it covers.
11.	4.8	Chine strap	EN 397:2012	-	Conforms	Helmet shell or the headband shall be fitted with a chin strap or with means of attaching one.
12.	4.9	Ventilation	EN 397:2012	mm^2	Conforms 215.3	Helmet shell is provided with holes for ventilation purchase. The total area of such holes shell be no less than 150 mm^2 and not more than 450 mm^2.
13.	4.10	Accessories	EN 397:2012	-	Conforms	For the fixing of helmet accessories, specified in the information accomanying the helmet, in accordance with 7.2.3, the required fixing devices, or appropriate holes in the helmet shell, shall be provided by the helmet manufacturer.
14.	5.0	**Performance Requirements**				
	5.1.1/ 6.6	**Shock Absorption Resistance Test**				
	6.2.3	**Low Temperature** Conditioned at -10°C ±2 between 4 h and 24 hrs.	EN 397	kN	1.67	The Force transmitted to the headform shall not exceed 5.0
	6.2.4	**High Temperature** Conditioned at 50°C ±2 between 4 h and 24 hrs.		kN	0.92	
	6.2.5	**Water Immersion** Immersed in water at 20°C ±2 between 4 h and 24 hrs.		kN	1.06	
	6.2.6	Artificial ageing by xenon arc cycle 18 minute for spraying & 102 minute without spraying a @ 70°C (Wavelength range 280-800nm) for 400 hrs.		kN	0.57	

निरंतर / Contd....4

27.01.2022

Mamata Sahoo – (A.T.O.)
अधिकृत हस्ताक्षर /Authorised Signatory

25/01/22

Dr. Sanjeev Kumar Jain - Manager (T.S.)
अधिकृत हस्ताक्षर /Authorised Signatory

PART-C

TEST RESULTS AS PER EN 397:2012

S.No	Clause	Name of the test	Test Method	Unit	Test value obtained	Specified Requirement
15.	5.1.2/ 6.7	**Resistance to Penetration**				
	6.2.3	**Low Temperature** Conditioned at -10°C ±2 between 4 h and 24 hrs.	EN 397	-	Conforms	The point of the striker shall not contact the surface of the headform.
	6.2.4	**High Temperature** Conditioned at 50°C ±2 between 4 h and 24 hrs.		-	Conforms	
	6.2.5	**Water Immersion** Immersed in water at 20°C ±2 between 4 h and 24 hrs.		-	Conforms	
	6.2.6	Artificial ageing by xenon arc cycle 18 minute for spraying & 102 minute without spraying a @ 70°C (Wavelength range 280-800nm) for 400 hrs.		-	Conforms	
16.	5.1.3	Flame Resistance	EN 397	-	Conforms	The material of the shell shall not burn with emission or flame after period of 5 sec. After the removal of the flame.
	5.1.4	Chin strap anchorages	EN 397:2021	N	Conforms (failure of anchorage at 527N load)	The artificial jaw shall be released at a force of no less than 150 N and no more than 250 N, due to failure only of the anchorage
17.	5.2.3	Electrical Resistance		-	Conforms	The voltage shall be increased to 1200 V and maintained at this value for 15 s the leakage current oat this voltage shall be recorded, together with any evidence of breakdown.

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. Selection of samples for individual test have been done in accordance with respective clauses of EN 397:2012. 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.

27.01.2022

Mamata Sahoo – (A.T.O.)
अधिकृत हस्ताक्षर /Authorised Signatory

27/01/22

Dr. Sanjeev Kumar Jain - Manager (T.S.)
अधिकृत हस्ताक्षर /Authorised Signatory

सिपेट : कौशल एवं तकनीकी
सहायता केन्द्र (सी.एस.टी.एस.)
(रसायन एवं पेट्रोरसायन विभाग,
रसायन एवं उर्वरक मंत्रालय, भारत सरकार)
जी-सेक्टर, गोविन्दपुरा औद्योगिक क्षेत्र, जे. के. रोड,
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स्वच्छ भारत
एक कदम स्वच्छता की ओर

आज़ादी का अमृत महोत्सव

CIPET : CENTRE FOR SKILLING AND TECHNICAL SUPPORT (CSTS)
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Website : www.cipet.gov.in
Head Office : Guindy, Chennai - 600 032

CIPET: CSTS/BPL/PTC/2021-22/ 2158

Date: 03.02.2022

To,
M/s Jarsh Innovations Private Limited
Plot no.29, Panchvati Colony, 4th Floor,
Bowenpally, Secundrabad-500009

Dear Sir/Madam,

Sub: Correction in test report no. 25963 dated 27.01.2022 – reg.,

With reference to the subject cited above, it is to inform you that while In-house checking in the above mentioned test report,one typographical error observed in the Part-A section of page No. 1 of 4 ,where Qty of Sample received is typed as 10 nos by mistake instead of 12 nos.

Therefore, it is requested to please read the Qty of Sample received as**"12 nos"** instead of **" 10 nos"** in the above mentioned test report.

Inconvenience caused in this regard is highly regretted.

This is for your kind information and record.

Yours Sincerely

03/02/22

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