

**सिपेट : सेन्टर फॉर स्किलिंग एण्ड
टेक्निकल सपोर्ट (सी एस टी एस)**

रसायन एवं पेट्रोसायन विभाग

रसायन एवं उर्वरक मंत्रालय, भारत सरकार

प्लॉट नं. जे - 3/2, एम.आई.डी.सी औद्योगिक क्षेत्र,

चिकलथाना, औरंगाबाद. - 431006

फोन. : 0240 -2478302-334

फैक्स : 0240 - 2478333

ईमेल : aurangabad@cipet.gov.in / cipetabad@gmail.com

वेबसाईट : www.cipet.gov.in

मुख्यालय : सिपेट, गिण्डी, चेन्नै-600 032



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

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

Plot No. J-3/2, MIDC Industrial Area,
Chikalathana, Aurangabad - 431006.

Tel. : 0240-2478302-334

Fax : 0240 - 2478333

E-mail : aurangabad@cipet.gov.in / cipetabad@gmail.com

Website : www.cipet.gov.in

Head Office : CIPET, Guindy, Chennai-600 032

क्र./सिपेट/औबाद/परीक्षण रिपोर्ट/WO-687/2019-20/ 838/1715

दिनांक : 26.09.2019

प्रति/ To

Neo Safety Products Pvt. Ltd.

Reg. Office: 23, N.S. Road,

6 Commercial Building,

1st Flr, Kolkata- 700 001, India.

विषय: परीक्षण रिपोर्ट- बाबत.

Sub : Test Report - Reg

संदर्भ / Ref: NSPPL/CIPET/TC/19-20/166 Dated: 03.08.2019

महोदय / Dear Sir,

कृपया हमारी परीक्षण रिपोर्ट क्रमांक : 20984 दिनांक : 26.09.2019 प्राप्त करें ।

Please find enclosed herewith the Test Report No. : 20984 Dated 26.09.2019.

कृपया संलग्न कस्टमर फीडबैक फार्म भरकर वापस भेजने का कष्ट करें ।

Kindly fill the enclosed customer feedback form & return the same.

धन्यवाद / Thanking You,

भवदीय / Yours Sincerely,

पीयूष कुमार
26-09-19.

डॉ. पीयूष कुमार / Dr. Piyush Kumar

तकनीकी अधिकारी / Technical Officer

संलग्न : उपरोक्तनुसार

Encl : As above

केंद्र : अहमदाबाद, अमृतसर, औरंगाबाद, अगरताला, बदी, बालासोर, बेंगलुरु, भोपाल, भुवनेश्वर, चंद्रपुर, चेन्नै, देहरादून, गुवाहाटी, ग्वालियर, हैदराबाद, हाजीपूर, हल्दिया, इम्फाल, जयपूर, कोटची, लखनऊ, मदुरै, मुरथल, मैसूरु, रायपूर, राँची, वलसाड एवं विजयवाडा।

Centres : Ahmedabad, Amritsar, Aurangabad, Agartala, Baddi, Balasore, Bengaluru, Bhopal, Bhubaneswar, Chandrapur, Chennai, Dehradun, Guwahati, Gwalior, Hyderabad, Hajipur, Haldia, Imphal, Jaipur, Kochi, Lucknow, Madurai, Murthal, Mysuru, Raipur, Ranchi, Valsad & Vijayawada.

सेन्टर फॉर स्किलिंग एण्ड
चिकल सपोर्ट (सी एस टी एस)

विज्ञान एवं पेट्रोसायन विभाग
सायन एवं उर्वरक मंत्रालय, भारत सरकार
प्लॉट नं. जे - 3/2, एम.आई.डी.सी औद्योगिक क्षेत्र,
चिकलथाना, औरंगाबाद. - 431006
फोन. : 0240 -2478302-334
फैक्स : 0240 - 2478333
ईमेल : aurangabad@cipet.gov.in / cipetabad@gmail.com



CIPET सि पे ट
probe . perform . practice . Plastics



CIPET : CENTRE FOR SKILLING AND
TECHNICAL SUPPORT (CSTS)

Department of Chemicals & Petrochemicals,
Ministry of Chemicals & Fertilizers, Govt. of India
Plot No. J-3/2, MIDC Industrial Area,
Chikalathana, Aurangabad - 431006.
Tel. : 0240-2478302-334
Fax : 0240 - 2478333
E-mail : aurangabad@cipet.gov.in / cipetabad@gmail.com

श्रेणी / SERIES : A

क्रं / No. 12622

प्लास्टिक्स परीक्षण केंद्र
PLASTICS TESTING CENTRE

परीक्षण प्रमाण पत्र / TEST CERTIFICATE

Issued to:

Neo Safety Products Pvt. Ltd.
Reg. Office: 23, N.S. Road,
6 Commercial Building,
1st Flr, Kolkata- 700 001, India.

ULR No -TC822719000001753F
Test Report No : 20984
Dated : 26.09.2019
Your Ref : NSPPL/CIPET/TC/19-20/166
Dated : 03.08.2019

Page No. 1 of 2

Test Report as per IS: 2925-84 with Amendment No. 1, 2, 3 & 4

PART - A

PARTICULARS OF SAMPLE SUBMITTED

a) Name of Sample	:	"Industrial Safety Helmet" as stated by party
b) Grade/Variety/Type/Size/Class	:	Nil
c) Declared value, if any	:	Nil
d) Code No	:	Nil
e) Batch No. and Date of Manufacturing	:	Nil
f) Quantity	:	15 nos.
g) Mode of Packing	:	Packed in carton box
h) Sealed or not	:	Not Sealed
i) Date of Receipt	:	21.08.2019
j) Date (s) of Performance of Test	:	05.09.2019 to 26.09.2019
k) Any other information	:	Brand Name- NEO

PART - B

SUPPLEMENTARY INFORMATION

i) Reference to sampling procedure	:	Samples supplied by Party
ii) Supporting documents for the measurement taken and results derived	:	As given in Part C
iii) Deviation from the test method as prescribed in relevant work instruction, if any	:	Nil



ULR No -TC822719000001753F

Test Report No : 20984

Date : 26.09.2019

Page No 2 of 2

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	--	Conformed	Shall be non-metallic material.
	3.2	Harness	--	Conformed	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
				Conformed	b) The size adjustment range shall be clearly marked on helmet
3.	5.1	Constructions			
	i)	Shell	--	Conformed	a) Shell shall be dome -shaped.
			--	Conformed	b) There shall not be any metallic component passing through the shell.
			--	Conformed	c) shall be Provided with a brim with or without a peak.
			--	Conformed	d) Shall be intergral part of the shell and these shall have no sharp edges
			--	Conformed	e) Brim shall be continous aroundthe dome
			mm	10.1	f) Length of brim, 6mm (minimum)
mm	49.1	g) Length of peak 50 mm (maximum)			
4.	5.2	Harness			
	5.2.1	Head Band	mm	30.8	a) Width 30 mm (min)
			--	Conformed	b) Adjustment to any sizes as in clause 4.1 may be readily made.
			--	Conformed	c) It shall be securely attached in the helmet shell and crown strap.
mm	12.3	d) Distance of head band from the shell 5 mm (min)			
5.	5.2.2	Cradle	No.	06	a) Head band anchoring points, 4 Nos (min)
			mm	19.6	b) Width of strap, 19 mm (min)
			mm	48.1	c) Clearance between top of the wearers head and top of thehelmet crown at the smallest size shall not be less than30 mm
			mm	92.8	d) Wearing height at Max., 80 (min), (depth to fit)
6.	5.3	Chin strap or nape Strap			
	5.3.1	Chin strap	--	19.4	a) It shall be attached to shell and shall atleast 19 mm wide
			--	Conformed	b) Shall be permanently fitted with fastening device to adjust and maintain tension
--	Conformed	c) Shall confirm to the requirement (Appendix D)			
7.	5.3.2	Nape Strap	--	Conformed	a) It shall be either intergral part or as an attachment to the head band
			--	Conformed	b) Shall be adjustable
			mm	116.8	c) Depth as per 5.3.2.1, 115 mm (min)

[Signature]
26/09

[Signature]
26-09-19.



ULR No -TC822719000001753F

Test Report No : 20984

Date : 26.09.2019

Page No 2 of 2

Test Result as per IS: 2925-84 with Amendment No. 1, 2, 3 & 4

Sl.No.	Clause	Name of the test	Unit	Test value obtained	Specified Requirement
8.	6.0	Workmanship and finish	--	Satisfactory	a) The helmet shall be finished smooth, free from burrs, sharp edges shall be removed to ensure proper surface contact of fittings.
9.	7.0	Mass (i) Shell	gm	315	The complete mass with shall be 400 gm (max)
	8.0	Performance Requirement			
	8.1	Shock absorption resistance			
10.	a)	1. Conditioned at 50°C ± 5 for 4 h	kN	Conformed 1.46	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)
	b)	2. Conditioned at -10°C ± 2 for 4h	kN	Conformed 2.24	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)
	c)	3. Conditioned under flowing water for 4 h @ 1 lit/min	kN	Conformed 1.16	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)
11.	8.2	Penetration resistance	-- mm	Conformed Conformed 0.92	a) Shall neither break nor pierced through sufficiently to touch the headform b) No integral part shall fail or stretch permitting the helmet to be forced down over the head forms. c) Depth of penetration 10 mm (max)
	8.3	Flammability Resistance	--	Conformed	The material of the shell shall not burn with emission or flame after period of 5 sec. after the removal of the flame.
	8.4	Electrical resistance	--	Conformed	The shell shall not show a leakage of current in excess of 3 mA
	8.5	Water absorption	%	0.05	5% (max)
	8.6	Heat Resistance	--	Conformed	The shell shall not separate distort or soften
PART-D / Remarks: Nil					

NOTE:

- 01 The results are related only to item tested.
- 02 The reports shall not be reproduced in full / part without written approval of the laboratory
- 03 Selection of samples for individual test has been done in accordance with respective clauses of IS
- 04 Details of tests subcontracted: Subcontracted with CIPET Bhopal Clause 8.1, 8.2 & 8.4.

[Handwritten Signature]
26/09

[Handwritten Signature]
26-09-19
Authorized Signatory
Dr. Piyush Kumar
Technical Officer