



YORLAB^{LLP}

AN IS/ISO/IEC 17025-NABL ACCREDITED LABORATORY

Plot No. 42/2, Survey No. 83, Opp. Gondal Bypass BRTS Bus Stop,
150 Feet Ring Road (West), Rajkot - 360 004.
E-mail : info@yorlab.com • Web : www.yorlab.com
Mo. : +91 94266 34335 / 94266 04335



Test Report

Issue/Rev. : 01/00
Report No. : C251099
ULR No. : TC63132500001843F

Date of Receipt : 21/03/2025
Date of Testing : 22/03/2025
Date of Issue : 22/03/2025

Name & Address of Customer : **KARMA INDUSTRIES**
SHED NO. K 1 / 237, SHANKARTAKERI UDHYOGNAGAR, JAMNAGAR 361 004,
GUJARAT, INDIA.

Name of sample : Double & Single Compression Nickel Plated Brass Cable Gland
Sample ID : KIW 01SS TO KIW 016 (3/4" TO 4")
Grade/ Variety/ Type/ Size/ Class : 3/4" TO 4" (19 mm to 100 mm)
Declared value, if any & other detail : Approx. Value of Sample 8350.00 Rs.
Any other information : Permissible Brand - YUKTI & WINVIK'S
Quantity : 3 Pieces of Each Size
Mode of packing : Box Packing
Test Method : BS EN 15079:2015
Instruments Utilized : Chemical Analysis by Optical Emission Spectrometer GNR Italy
Discipline : Chemical Testing
Group : Metal & Alloys

TEST RESULT ARE AS UNDER

Sr. No.	Element Tested	Obtain Value in %	Specified Value as per Customer requirement of IS 319, Grade: 1
01	Lead as Pb	3.0098	2.0 to 3.5
02	Iron as Fe	0.1204	0.35 Max.
03	Zinc as Zn	39.0581	Remainder
Remarks:	Result confirm as per customer requirement of IS 319, Grade: 1.		

Instrument Calibration

NOTE - (1) Sample not drawn by YORLAB LLP. (2) The Results relate only to the sample tested. (3) YORLAB LLP has made their best endeavors to provide accurate and reliable information YORLAB LLP is not responsible for any financial liability due to any act of omission or error made. (4) Tested Samples are returned to Customer/ preserved for 15 day's unless otherwise specified. (5) Any ambiguity in test results should be brought forward to the lab management within this period. (6) Sample Related Information provided by Customer. (7) No Liability Accept if Sample Return Back. (8) The Test Report /Certificate Shall not be reproduced, except in full, without written permission of the laboratory.(9) If conformity statement is given it is based on decision rule.

Tested by

Rayde Ambaliya
(Testing Engineer)



Reviewed & Authorized by

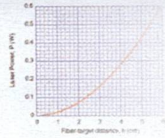
Hareesh Kanerriya
(Quality Manager)



Food Testing



Metallurgical Testing



Instruments Calibration



Environment Testing



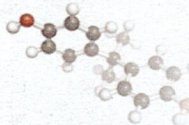
Water Testing



Building Material Testing



Soil, Mineral & Agro Testing



Plastic, Rubber & Wooden Testing



Test Report

Issue/Rev. : 01/00
Report No. : C251099/02

Date of Receipt : 21/03/2025
Date of Testing : 22/03/2025
Date of Issue : 22/03/2025

Food Testing

Name & Address of Customer : **KARMA INDUSTRIES**
SHED NO. K 1 / 237, SHANKARTAKERI UDHYOGNAGAR, JAMNAGAR 361 004,
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Name of sample : Double & Single Compression Nickel Plated Brass Cable Gland

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Declared value, if any & other detail : Approx. Value of Sample 8350.00 Rs.

Any other information : Permissible Brand - YUKTI & WINVIK'S

Quantity : 3 Pieces of Each Size

Mode of packing : Box Packing

Test Method : BS EN 15079:2015

Instruments Utilized : Chemical Analysis by Optical Emission Spectrometer GNR Italy

Discipline : Chemical Testing

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Metallurgical Testing

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TEST RESULT ARE AS UNDER

Sr. No.	Element Tested	Obtain Value in %	Specified Value as per Customer requirement of IS 319, Grade: 1
01	Total Other Impurities (excluding Iron)	0.2173	0.7 Max.
02	Copper as Cu	57.4545	56.0 to 59.0
Remarks:	Result confirm as per customer requirement of IS 319, Grade: 1.		

Instrument Calibration

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Tested by

Rayde Ambaliya
(Testing Engineer)



Reviewed & Authorized By

Hareesh Khareriya
(Quality Manager)

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Test Report

Issue/Rev. : 01/00
Report No. : C251099/01

Date of Receipt : 21/03/2025
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Date of Issue : 22/03/2025

Name & Address of Customer : **KARMA INDUSTRIES**
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Declared value, if any & other detail : Approx. Value of Sample 8350.00 Rs.

Any other information : Permissible Brand - YUKTI & WINVIK'S

Quantity : 3 Pieces of Each Size

Mode of packing : Box Packing

TEST RESULT ARE AS UNDER

Sr. No.	Element Tested	Unit	Observed Value
Raw material and Bought out items			
1	Material	---	Neoprene Rubber
2	Material & Shore Hardness	Shore A	59.00

TEST RESULT ARE AS UNDER

Sr. No.	Element Tested	Unit	Observed Value
Nickel Coating			
1	Thickness	micron	10.8

TEST RESULT ARE AS UNDER

Sr. No.	Element Tested	Unit	Observed Value
Testing			
1	Proof torque	---	TORQUE PROOF test of cable glands are conducted at manufacturer site as per Annexure 'A' of IS/IEC 60079-0:2011 and Complies
2	Seal test	---	Sealing test of cable glands are conducted at manufacturer site as per Annexure 'A' of IS/IEC 60079-0:2011 and Complies
3	Clamp tensile	---	Tensile test of cable glands are conducted at manufacturer site as per Annexure 'A' of IS/IEC 60079-0:2011 and Complies (1 kg mass of harden steel fallen vertically on the surface of the Ex'd enclosure to create impact energy for Group II equipment)
4	Degree Of Protection	---	IP 66 (As per IS/IEC 60529/2001) [Neoprene gasket (3mm thickness) is provided at the end of the each joint for weatherproof (IP-66) degree of protection. Tests have been conducted as per IS/IEC 60529:2001 (Reaffirmed 2014) as tabulated below for IP-66 degree of protection.

Food Testing

Metallurgical Testing

Instruments Calibration

Environment Testing

Water Testing

Building Material Testing

Soil, Mineral & Agro Testing


Plastic, Rubber & Wooden Testing

Tested by


Rayde Ambaliya
(Testing Engineer)



Reviewed & Authorized by:


Hareesh Kanerha
(Quality Manager)

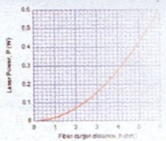
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Food Testing



Metallurgical Testing



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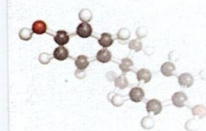
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Haresh Kamariya
(Quality Manager)

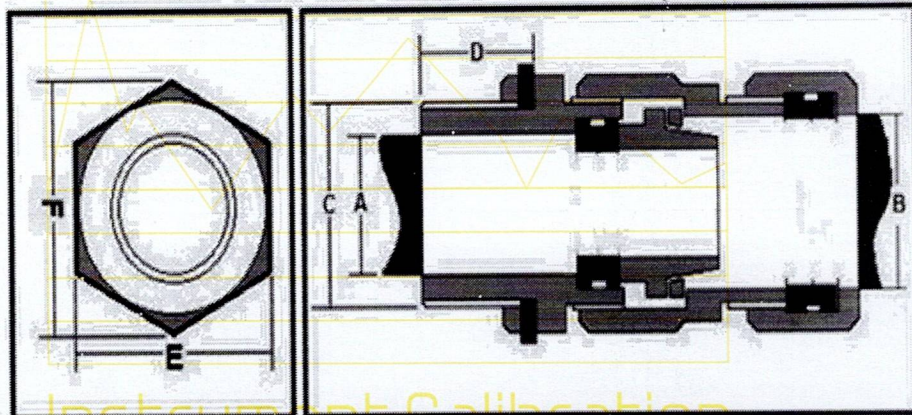
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TEST RESULT ARE AS UNDER

Sr. No.	Element Tested	Unit	Observed Value
Final Inspection			
1	Surface Finish	---	As Per Visual Inspection - Found Ok
2	Pvc Shroud	---	Fitting On Gland Found Tightly

Industrial Testing

YUKTI - DOUBLE COMPRESSION BRASS CABLE GLAND - TECHNICAL DETAIL



Instrument Calibration

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YORLAB^{LLP}

AN ISO : 9001-2015, 14001-2015, 45001-2018 CERTIFIED LABORATORY

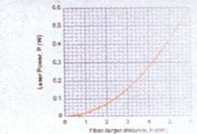
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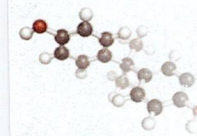
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Size	Nipple Entry I/D. [A]	Cable Entry Hole [B]	Nipple Entry Thread [C]	Entry Thread Length [D]	Con I/D. (MM)	A / F [E]	A / C [F]	Clamping Range	
								Min.	Max
KIW 01 SS	12.50	15.50	3/4"	15.00	9.75	22.00	25.00	8.00	12.00
KIW 01 S	14.75	18.00	3/4"	15.00	12.75	25.00	28.75	13.50	16.00
KIW 01	14.50	20.25	3/4"	15.00	13.50	28.00	31.75	16.50	18.00
KIW 02	18.25	23.75	1"	15.00	17.50	31.25	36.00	18.50	20.00
KIW 03	19.00	24.00	1"	15.00	17.75	31.50	36.00	20.00	23.00
KIW 04	20.50	27.25	1"	15.00	20.50	36.75	42.00	23.50	26.00
KIW 05	26.00	31.50	1.1/4"	15.00	24.25	40.50	46.50	26.00	30.00
KIW 06	32.00	34.75	1.1/2"	15.00	27.50	46.25	53.25	30.50	33.00
KIW 07	31.25	38.75	1.1/2"	15.00	31.25	50.50	57.75	33.50	37.00
KIW 08	39.00	43.50	2"	15.00	35.00	55.50	64.00	37.00	41.00
KIW 09	39.50	47.50	2"	15.00	39.75	58.50	67.00	41.50	46.00
KIW 010	45.25	53.50	2"	20.00	46.00	66.00	76.00	46.00	52.00
KIW 011 S	56.25	57.75	2.1/2"	20.00	51.00	74.00	85.00	52.00	57.00
KIW 011	56.50	61.25	2.1/2"	20.00	54.00	79.00	91.00	56.50	60.00
KIW 012	65.00	67.75	3"	20.00	59.25	84.00	96.00	61.00	66.00
KIW 013 A	66.50	73.50	3"	20.00	66.00	90.00	104.00	66.50	72.00
KIW 013	74.50	80.00	3.1/4"	20.00	70.50	97.50	112.00	72.00	78.00
KIW 014	77.75	84.25	3.1/2"	25.00	76.25	104.50	120.50	78.00	84.50
KIW 015	90.25	95.00	4"	20.00	87.25	116.50	132.75	84.50	92.00
KIW 016	101.00	106.00	4.1/2"	20.00	98.00	129.00	148.00	92.50	104.00

NOTE: 1. All above given dimension are in mm.
2. Due to continue R&D actual dimension may differ then above given dimension.

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page 3 of 4

TESTING & CALIBRATION LABORATORY