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TEST	REPORT	
		SHEET 1 of 6
NAME & ADDRESS OF CUSTOMER	REPORT NO. :	RP-1415-023649
Dalaria Dishbar Claves Mfs. Co	DATE :	18-11-2014
Dahanu Rubber Gloves Mfg. Co.,	CUSTOMER REF. NO :	MKS/14-15/009
Jawahar Marg, Village Sarawali,	DATED :	05-09-2014
Dahanu Road (East) - 401 602. Dist. Thane,	DATE OF SAMPLE	DATES OF TESTING
Maharastra State.	RECEIPT 08-09-2014	14-10-14 to 18-11-14
SAMPLE DESCRIPTION	SAMPLE IDEN	ITIFICATION
Rubber hand gloves for electrical purpose Class of gloves: 0 SIZE: 360 mm Brand: Jyot	Jy	VOLTAGE AC, RMS ot N INDIA
TEST DETAILS	TEST SPEC	IFICATION
. As per sheet 2 of 6		3:2003
NOTE: 1. This report relates only to the particular sai	SCKED BY	APPROVED BY
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REPORT NO. : RP-1415-023649

DATE : 18-11-2014

SHEET 2 of 6

TEST DETAILS :

Test Specification: EN 60903: 2003

Sr. No.	Cl. No.	Test Particulars
1	8.2	Visual inspection and measurements
2	8.3	Mechanical tests
3	8.4	Dielectric tests
4	8.5	Ageing test
5	8.6	Thermal tests
6	8.7	Tests on gloves with special properties

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REPORT NO.: RP-1415-023649

DATE : 18-11-2014

SHEET 3 of 6

Sr. No	CI. No.	Test	Requirement as per Specification	Obtained value	Remarks
1	8.2	Visual inspection and measurements			
	8.2.1	Shape	The gloves shall be provided with a cuff. Gloves may be manufactured with or without cuff roll.	were manufactured	Conforms
	8.2.2	Dimensions ,			
		Standard length of gloves, mm	360 ± 15	350	Conforms
	8.2.3	Thickness			
		Thickness of gloves, mm	Max. 1.00	0.96	Conforms
2	8.2.4	Workmanship and finish	The gloves shall be free from pinholes, cracks, blisters, cuts, conductive embedded foreign matter, creases, pinch marks, voids, prominent ripples and prominent mould marks.	Found satisfactory	Conforms
2	8.3 8.3.1	Mechanical tests Tensile strength and elongation at break			
		Tensile strength, MPa	Min. 16	24.5	Conforms
	8.3.2	Elongation at break, % Resistance to mechanical puncture	Min. 600	685	Conforms
		Puncture resistance, N/mm	Min. 18	35.8	Conforms
	8.3.3	Tension set, %	Max. 15	1.0	Conforms

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REPORT NO.: RP-1415-023649

DATE : 18-11-2014

SHEET 4 of 6

Sr. No	CI. No.	Test	Requirement as per Specification	Obtained value	Remarks
3	8.4 8.4.2.1	Dielectric tests AC proof test after conditioning for moisture absorption by total immersion in water for a period of 16 hours	Sample shall withstand 5 kV (rms) for 3 minutes	Withstood	Conforms
		AC Proof test current at (5 kV rms), mA	Max. 14	4.4	Conforms
	8.4.2.2	AC withstand test Withstand test voltage (10 kV rms)	Sample shall withstand 10 kV (rms) for 3 minutes	Withstood	Conforms
4	8.5	Ageing test (ageing at 70 ± 2°C for 168 h) - Tensile strength at break after heat ageing, % of the unaged	Min. 80	97	Conforms
		- Tension set after heat ageing, %	Max. 15	1.0	Conforms
		- AC proof test without being subjected to the moisture conditioning after heat ageing	Sample shall withstand 5 kV (rms) for 3 minutes	Withstood	Conforms
5	8.6 8.6.1	Thermal tests Low temperature test at -25 \pm 3°C for 1 hour	No tear, break or crack shall be visible on the gloves	No tear, break or crack was visible on the gloves	Conforms
		- AC proof test without being subjected to the moisture conditioning after low temperature test	Sample shall withstand 5 kV (rms) for 3 minutes	Withstood	Conforms

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REPORT NO.: RP-1415-023649 DATE: 18-11-2014

SHEET 5 of 6			

Sr. No	CI. No.	Test	Requirement as per Specification	Obtained value	Remarks
	8.6.2	Flame retardancy test	The flame shall not have reached the reference line located on the test piece 55 mm from its edge, within 55 sec after withdrawal of the flame	The flame did not reach the reference line located on the test piece 55 mm from its edge, within 55 sec after withdrawal of the flame	Conforms
6	8.7 8.7.1	Tests on gloves with special properties Category A – Acid resistance (after conditioning at 23 ± 2 °C for 8 hrs			
		- AC proof test without being subjected to the moisture conditioning after acid immersion	Sample shall withstand 5 kV (rms) for 3 minutes	Withstood	Conforms
٠		Tensile strength and elongation at break after acid immersion - Change in tensile strength, Percent of the unaged	Min. 75	84	Conforms
		- Change in elongation at break, Percent of the unaged	Min. 75	80	Conforms
	8.7.2	Category H – Oil resistance (after conditioning at 70 ± 2 °C for 24 hrs)			
	*	- AC proof test without being subjected to the moisture conditioning after oil immersion	Sample shall withstand 5 kV (rms) for 3 minutes	Withstood	Conforms

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SHEET 6 of 6

Sr. No	CI. No.	Test	Requirement as per Specification	Obtained value	Remarks
		Tensile strength and elongation at break after oil immersion - Change in tensile strength,			
		Percent of the unaged - Change in elongation at break, Percent of the unaged	Min. 50 Min. 50	64	Conforms
	8.7.3	Category Z – Ozone resistance (after conditioning at 40 ±2 °C and an ozone concentration of 1 mg/m³ at atmospheric pressure for 3 hours)	After conditioning the gloves shall exhibit no cracks under visual inspection		Conforms
		- AC proof test without being subjected to the moisture conditioning after ozone concentrated	Sample shall withstand 5 kV (rms) for 3 minutes	Withstood	Conforms
	8.7.4	Category C – Extremely low temperature resistance test at -40 ± 3°C for 24 hours	No tear, break or crack shall be visible on the gloves	No tear, break or crack was visible on the gloves	Conforms
		- AC proof test without being subjected to the moisture conditioning after extremely low temperature	Sample shall withstand 5 kV (rms) for 3 minutes	Withstood	Conforms

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