

Non-Transferable

DEVELOPMENTAL TEST REPORT			
No. SHL/16/2023-2024/3100017919/DT/4895		Date: 03.11.2023	
1.0	NAME AND ADDRESS OF THE CUSTOMER :	ALCOLITE INDIA ROAD SAFETY PRIVATE LIMITED. Ground Floor, 37/23, Village Mundka West Delhi, Delhi. West Delhi-110041	
	Contact Person	Mr. Miraj Farooqui	
	Tel No.	09096089298	
	Email Address	alcolite2013@gmail.com	
2.0	CUSTOMER LETTER REF. :	Email dated:13.07.2023	
2.1	CSP RECEIPT DATE :	18.08.2022	
3.0	DESCRIPTION OF TEST COMPONENTS:		
	Retro Reflective Raised Pavement Marker (RPM) (With shank)		
	Color's: White, Yellow, Red		
	Marking on the sample: "Alcolite"		
	Photograph of sample		
	White	Yellow	Red
	Top view		
Side View			
PREPARED BY	VERIFIED BY	APPROVED BY	
P. V. PARLIKAR DEPUTY GENERAL MANAGER	Mrs. J. M. KIRVE DEPUTY DIRECTOR	DR. B. V. SHAMSUNDARA DEPUTY DIRECTOR In Charge-Safety and Homologation Laboratory	

An ISO 9001, ISO 14001, ISO 45001 and ISO/IEC 27001 Certified Organization

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4.0	OBJECTIVE AND TEST PROCEDURE: At the specific request of the customer to carry out the below test as per MoRTH, <ol style="list-style-type: none"> 1. Coefficient of Luminous Intensity tests as per MoRTH 804 (Cl. No. 804.4.2) (table no. 800-13), 2. Slope of Reflecting surface (Cl. No. 804.3), 3. Height of Marker (Cl. No. 804.7.1), 4. Width of Marker (Cl. No. 804.7.1), 5. Area of Reflecting Surface (Cl. No. 804.3) 		
5.0	TEST RESULTS: Please refer Photometry and Colorimetry Test Results in Sr. No. 6.0.		
5.1	TEST DURATION:	Start Date: 03.10.2023	End Date: 11.10.2023

Disclaimer:

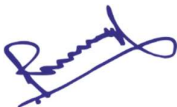


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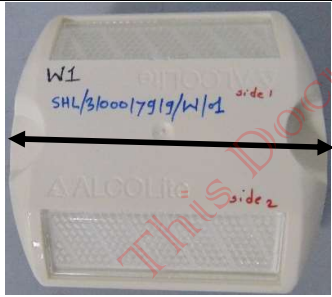
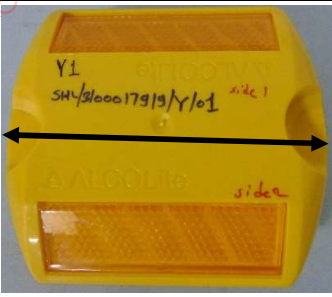
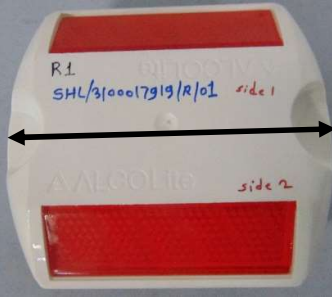
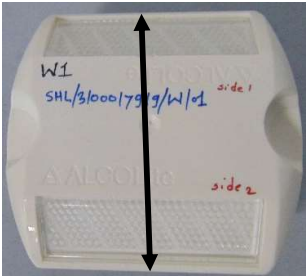
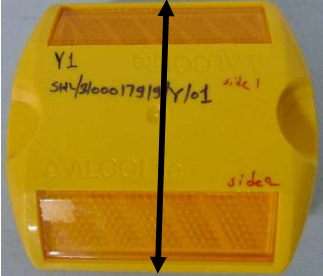
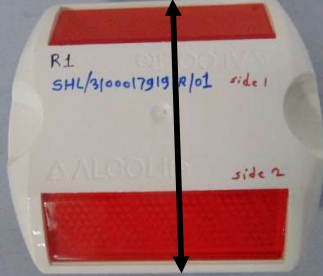
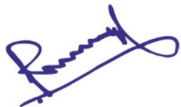


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P. V. PARLIKAR DEPUTY GENERAL MANAGER	Mrs. J. M. KIRVE DEPUTY DIRECTOR	DR. B. V. SHAMSUNDARA DEPUTY DIRECTOR In Charge-Safety and Homologation Laboratory
Place of Issue: Kothrud, PUNE		



DEVELOPMENTAL TEST REPORT No. SHL/16/2023-2024/3100017919/DT/4895

6.0	Test Results				
6.1	Co-efficient of luminous intensity as per as per MoRTH 804 (Cl. No. 804.4.2) (table no. 800-13):				
6.1.1	For White colour Road stud with shank				
	Observation angle (°)	Entrance angle (°)	Minimum Required Values (mcd/lx)	Measured Values (mcd/lx) (Average of three samples)	
				Side 1	Side 2
	0.3	0	220	943.33	785.33
		-5	220	832.33	733.67
		+5	220	838.67	746.33
	0.5	0	120	428.67	425.00
		-10	120	306.67	292.00
		+10	120	318.67	321.00
6.1.2	For Red colour Road stud with shank				
	Observation angle (°)	Entrance angle (°)	Minimum Required Values (mcd/lx)	Measured Values (mcd/lx) (Average of three samples)	
				Side 1	Side 2
	0.3	0	44	346.00	286.00
		-5	44	310.33	249.00
		+5	44	292.00	230.00
	0.5	0	24	163.60	148.23
		-10	24	108.37	98.00
		+10	24	105.60	88.70
6.1.3	For Yellow colour Road stud with shank				
	Observation angle (°)	Entrance angle (°)	Minimum Required Values (mcd/lx)	Measured Values (mcd/lx) (Average of three samples)	
				Side 1	Side 2
	0.3	0	110	734.00	664.33
		-5	110	667.00	551.67
		+5	110	644.67	639.00
	0.5	0	60	382.33	315.33
		-10	60	289.00	215.00
		+10	60	259.33	263.00
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6.2	Dimensional measurement as per MoRTH 804						
6.2.1	Slope of Retro Reflecting Surface as per MoRTH Cl. no. 804.3						
	Requirement	Measured Angle					
		White		Red		Yellow	
		Side 01	Side 02	Side 01	Side 02	Side 01	Side 02
	The slope of retro reflecting surface shall preferably be $35 \pm 5^\circ$ to the base.	35°	35°	35°	35°	35°	35°
6.2.2	Height of Marker as per MoRTH Cl. no. 804.7.1						
	Requirement	Measured Height					
		White	Red	Yellow			
	Marker height shall not be less than 10 mm and shall not exceed 20 mm	19.92 mm	19.97mm	19.88 mm			
6.2.3	Width of Marker as per MoRTH Cl. no. 804.7.1						
	Requirement: Marker width shall not exceed 130 mm						
	Measured Width						
	White	Yellow		Red			
							
	103.38 mm	103.61 mm		103.61 mm			
							
	92.74 mm	92.84 mm		92.78 mm			
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