

 **ALCOLite**  
ROAD SAFETY PRODUCTS

**DIRECTING DRIVERS  
TO SAFETY.**



## **Metal Delineator (IRC 2019)**

Product code: AL-305

Dimension:1000mm

Reflective Tape:80mm x 150mm X 6Nos  
T-11 Sheeting Both Side

Width:150 mm x 100 mm

Color: Black Powder Coating

Visit More:  
[www.alcolite.co.in](http://www.alcolite.co.in)

Non - Transferable

**TEST REPORT**  
(Development Test)

Test Report No. C D 0 L T 6 3 6 7	Date:	03.05.2024
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- 1.0 NAME AND ADDRESS OF THE CUSTOMER : M/s. Alcolite India Road Safety Pvt. Ltd.  
H-14, DSIIDC Industrial Complex,  
Ground Floor, Front side half portion,  
Rohtak Road, Nangloi, West Delhi, Udyog  
Nagar – 110041
- 2.0 CUSTOMER REFERENCE : IOCS Redg. No: CCDALCTTBPHE173774  
Dated: 14.02.2024
- 3.0 DESCRIPTION OF TEST COMPONENT : Alcolite Delineator, Qty: 01 No.
- 4.0 ICAT Identification No. : ICAT/PHL/173774/DL/2023-24/01
- 5.0 DATE OF RECEIPT OF SAMPLES : 13.02.2024
- 6.0 (DUT)CONDITION OF SAMPLES : No damage observed and found satisfactory.
- 7.0 FUNCTIONAL VERIFICATION : NA
- 8.0 DATE OF PERFORMANCE OF TEST : 23.02.2024 and 02.05.2024
- 9.0 ANY DEVIATION OR EXCLUSION FROM TEST METHOD : No
- 10.0 LOCATION OF TEST : Centre - I
- 11.0 TEST OBJECTIVE AND PROCEDURE:  
To carry out Dimension tests as per IRC: 79 on specific request of customer as a part of development exercise.
- 12.0 TEST RESULTS:  
Please refer Test Results and Photographs in Annexure-I of this report.

Prepared By	Checked & Authorized By	Approved By	
			 
AKASH BISWAS Asst. Manager	GIRISH SINGH Dy. Manager	PRITAM SINGH SAWARIYA Sr. Manager	Page 1 of 3 [173774]




Test Report No. C D 0 L T 6 3 6 7

Date :

03.05.2024

**DISCLAIMER**

- 1) This test report pertains only to the test samples / components / parts/ assemblies/ gensets/ materials /fuels/chemicals/engines/vehicles/Agri. Tractors etc. actually tested /witnessed / verified by ICAT in the presented condition based on the documents / information produced / submitted by the customer.
- 2) The issuance of this test report alone does not indicate any measure of approval, certification, supervision, COP, control of quality surveillance by ICAT of the test samples / items/ components.
- 3) No extract, abridgment or abstraction from this test report may be published or used to advertise the product without the written consent of the Director, ICAT, who reserves the absolute right to agree or reject all or any of the details of any items of publicity for which consent may be sought.
- 4) ICAT is responsible only for the test results provided in the report. ICAT is not responsible for the information supplied by the customer and its impact on the test results thereof.
- 5) *Where applicable, ICAT provides statement of conformity based on ISO/IEC Guide 98-4 in reports issued.*
- 6) ICAT is in no way responsible for any misuse or copying of any design in connection with entire vehicle / components / systems and assemblies.
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- 9) Further, ICAT has the right to initiate cancellation / withdrawal of the certificate / report issued, in case of any fraud, misrepresentation, when it comes to the knowledge of ICAT.
- 10) The appropriate local court at Gurugram shall have the jurisdiction in respect of any dispute, claim or liability arising out of this report.

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Date :

03.05.2024

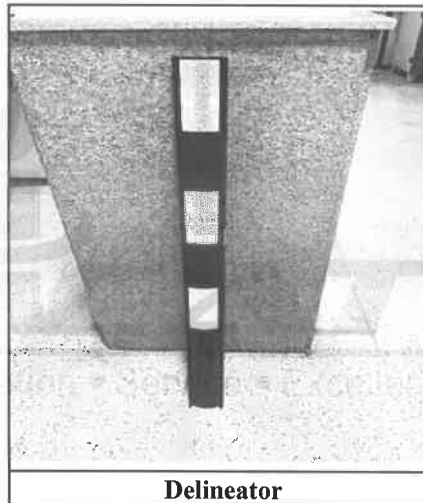
**ANNEXURE-I**




**1.0 TEST RESULTS :**

**1.1.0 Dimension Measurement:**

Sr. No.	Parameters	Required (As per IRC:79)	Measured
1	Total Length of Delineator	1000 - 1200mm	1100 mm
2	Width of Delineator	-	99.86 mm
3	Width of Type XI Reflective Band	-	71.25 mm
4	Length of Type XI Reflective Band	min. 150.0 mm	150.03 mm
5	Total Retro-Reflective Area Per Face	-	225.07 cm <sup>2</sup>
6	Distance between 2 Consecutive Reflective Band	min. 150.0 mm	150.02 mm
7	Powder Coating Thickness	min. 40 microns	75.66 microns

**3.0 Sample Photograph:**








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Asst. Manager	Dy. Manager	Page 3 of 3 [173774]

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**TEST REPORT**  
(Development Test)

Test Report No. C D 0 L T 6 3 6 6	Date:	03.05.2024
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- 1.0 NAME AND ADDRESS OF THE CUSTOMER : M/s. Alcolite India Road Safety Pvt. Ltd.  
H-14, DSIIDC Industrial Complex,  
Ground Floor, Front side half portion,  
Rohtak Road, Nangloi, West Delhi, Udyog  
Nagar – 110041
- 2.0 CUSTOMER REFERENCE : IOCS Redg. No: CCDALCTTBPHE173774  
Dated: 14.02.2024
- 3.0 DESCRIPTION OF TEST COMPONENT : Alcolite Delineator, Qty: 01 No.
- 4.0 ICAT Identification No. : ICAT/PHL/173774/DL/2023-24/01
- 5.0 DATE OF RECEIPT OF SAMPLES : 13.02.2024
- 6.0 (DUT)CONDITION OF SAMPLES : No damage observed and found satisfactory.
- 7.0 FUNCTIONAL VERIFICATION : NA
- 8.0 DATE OF PERFORMANCE OF TEST : 21.02.2024
- 9.0 ANY DEVIATION OR EXCLUSION FROM TEST METHOD : No
- 10.0 LOCATION OF TEST : Centre - I
- 11.0 TEST OBJECTIVE AND PROCEDURE:  
To carry out Coefficient of Retro reflection test as per IRC: 79 on specific request of customer as a part of development exercise.
- 12.0 TEST RESULTS:  
Please refer Test Results and Photographs in Annexure-I of this report.
- 13.0 OBSERVATIONS: Fails to meet the photometric requirements of Cl. No. 7.3 of ASTM D 4956 : 2019.

Prepared By	Checked & Authorized By	Approved By	
			 
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Test Report No. C D 0 L T 6 3 6 6

Date :

03.05.2024

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- 9) Further, ICAT has the right to initiate cancellation / withdrawal of the certificate / report issued, in case of any fraud, misrepresentation, when it comes to the knowledge of ICAT.
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Asst. Manager	Dy. Manager	

Test Report No. C D 0 L T 6 3 6 6

Date : 03.05.2024

ANNEXURE-I

1.0 TEST RESULTS :

Coefficient of Retro reflection (Cl. No. 7.3, ASTM D4956): White (Type XI)

Observation Angle: 0.2°




Entrance Angle		-4°		+30°	
Sample		0°	Min.R <sub>A</sub>	0°	Min.R <sub>A</sub>
White	#1	543.0	464.0	252.0	176.0
	#2	543.0	464.0	256.0	176.0
	#3	584.0	464.0	265.0	176.0
	Avg	<b>556.7</b>	<b>580.0</b>	<b>257.7</b>	<b>220.0</b>

Observation Angle: 0.5°

Entrance Angle		-4°		+30°	
Sample		0°	Min.R <sub>A</sub>	0°	Min.R <sub>A</sub>
White	#1	408.0	336.0	175.2	120.0
	#2	405.0	336.0	183.1	120.0
	#3	426.0	336.0	184.0	120.0
	Avg	<b>413.0</b>	<b>420.0</b>	<b>180.8</b>	<b>150.0</b>

Observation Angle: 1.0°

Entrance Angle		-4°		+30°	
Sample		0°	Min.R <sub>A</sub>	0°	Min.R <sub>A</sub>
White	#1	119.3	96.0	58.2	36.0
	#2	122.5	96.0	56.9	36.0
	#3	127.0	96.0	57.2	36.0
	Avg	<b>122.9</b>	<b>120.0</b>	<b>57.4</b>	<b>45.0</b>




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AKASH BISWAS Asst. Manager	GIRISH SINGH Dy. Manager	Page 3 of 4 [173774]

Test Report No. C D 0 L T 6 3 6 6

Date : 03.05.2024

**3.0 Sample Photograph:**



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Asst. Manager	Dy. Manager	Page 4 of 4 [173774]