

## REPORT

### FROM TESTING

№ 1 21 0112 / 13.02.2019

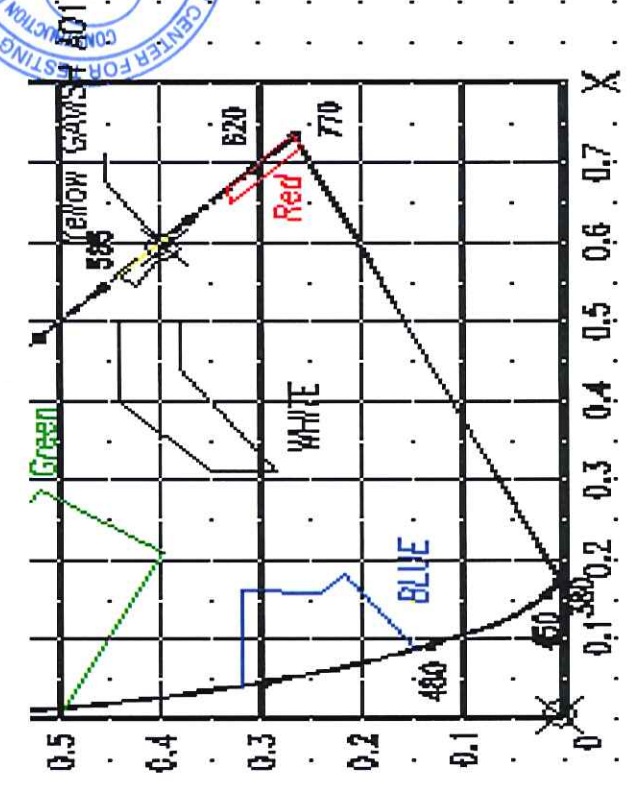
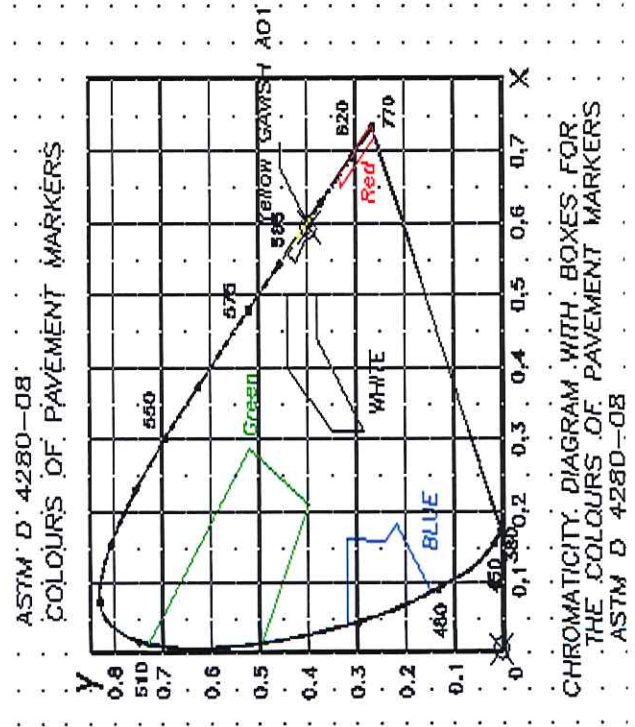
1. **Product of testing:** Reflective Pavement Marker – Road stud GAVISH AO1 (one LENS) application with glue. Producer: MUVHAR INDUSTREY LTD
2. **Applicant of the testing:** *Muvhar Industrey LTD, 18, Dereh Hagana Tel-Aviv Israel, zip code 67752,*
3. **Application for the testing:** № 2-0017 / 16.01.2019
4. **Location of performance of the testing:** Construction Product Testing Laboratory
5. **Test method:**  
ASTM D 4280 – 08 Standard Specifications for Extended Life Type, Nonplowable, Raised Retroreflective Pavement Markers
6. **Date of delivery of samples to the laboratory:**  
22.01.2019
7. **Date/s/ of performance of the testing:**  
04.02.2019 ÷ 12.02.2019

Laboratory manager: .....  
(eng. H. Angelova)



7. Test results:

№	Name of testing / characteristic	Unit of measure	Standardized methods	Diary sample №	Test results	Test conditions	Test method deviation
1	2	3	4	5	6	7	8
1.	<b>Color Retro reflectivity – ASTM D 4280-08</b>						
1.1	Coefficient of Luminous Intensity $R_1$ – light sours A - the angle $\beta_2 = 0^\circ$	[mcd/lx]	ASTM D 4280-08 clause 9.1	0101-0/ 1÷10	170 mcd /lx $\pm$ 3 mcd /lx	In accordance with the standard	no
1.2	Coefficient of Luminous Intensity $R_1$ – light sours A - the angle $\beta_2 = +20^\circ$	[mcd/lx]			70 mcd /lx $\pm$ 3 mcd /lx		
1.3	Coefficient of Luminous Intensity $R_1$ – light sours A - the angle $\beta_2 = -20^\circ$	[mcd/lx]			88 mcd /lx $\pm$ 3 mcd /lx		
1.4	Coordinates of color x, y	-	ASTM D 4280-08 clause 9.3		x = 0.5941 $\pm$ 0.0009 y = 0.3960 $\pm$ 0.0026		

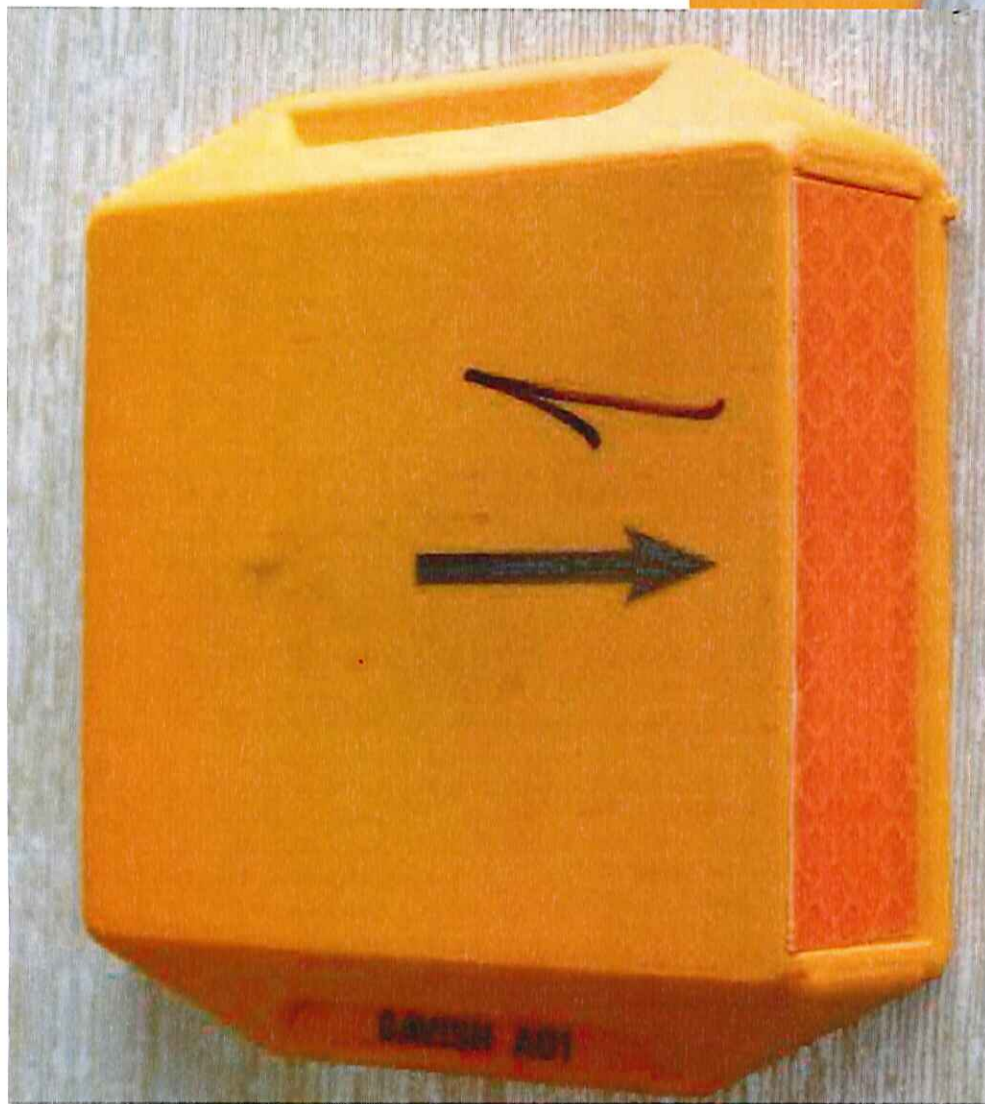


№	Name of testing / characteristic	Unit of measure	Standardized methods	Diary sample №	Test results						Test conditions	Test method deviation				
1	2	3	4	5	6						7	8				
2.	<b>Longitudinal Flexural Strength</b> test was performed assuming that the markers are placed in the roadway direction	N	ASTM D 4280-08 clause 9.2.1	0101-0	1	2	3	average				In accordance with the standard	no			
					9188	12880	8650	10239								
3.	<b>Compressive Strength</b>	N	ASTM D 4280-08 clause 9.2.2	0101-0	1	2	3	average				In accordance with the standard	no			
					271900	268700	269900	270167								
4.	<b>Resistance to Lens Cracking</b>															
4.1	<b>Lens Impact Strength</b>	have cracks / no cracks	ASTM D 4280-08 clause 9.4	0101-0	1	2	3	4	5	6	7	8	9	10	In accordance with the standard	no
					no	no	no	no	no	no	no	no	no	no		
4.2	<b>Resistance to Temperature Cycling</b>				1	2	3	4	5	6	7	8	9	10		
					no	no	no	no	no	no	no	no	no	no		



Note I: The test results apply to the samples only.  
Note II: The test certificate must be entirely copied only and with agreement by the test laboratory





Tested by:.....  
( A. Laskov )



Laboratory manager:.....  
( eng. H. Angelova )