Ullevaal stadion Sognsveien 75 J 0840 Oslo NORWAY

E-mail: friidrett@friidrett.no
Phone: +47 94 83 33 26



COURSE MEASUREMENT REPORT

- REPORT FOR NATIONAL CERTIFIED COURSE -

INFORMATION ABOUT EVENT AND COURSE				
Event: Lierskoge	Event: Lierskogen 6 timers			
Technical Organis	ser: Sportsklubben Kraft			
City/Place: Liersl	kogen, Norway			
Date of Arrangen	nent: 25.05.2024			
Date and time fo	r measurement: 28.04.2024 18:00			
Measured distan	ce(s): 655m			
Length of calibrat	tion course: 350m			
Type of course route: Closed loop				
CONTACT INFORM		Ouronicou.		
	Measured by:	Organizer:		
Contact person:	Samuel Hafsahl	Gjermund Sørstad		
Phone:	+47 970 46 905			
Email:	mail: samuel.hafsahl@gmail.com gjermund@lopeglede.no			
It is hereby confirmed that the course has been measured by a nationally certified course measurer from Norwegian Athletics. The course is measured in accordance with Norwegian athletics regulations, and the distance(s) has the correct length(s). The survey is valid for 5 years, except if the route is changed.				
	nuel Hafsahl nature by Course measurer D	ate Signature by NFIF		
		•		



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CALIBRATION COURSE AND PROCEDURE		
Length of measuring tape (steel measuring tape only)	50m	
Length of calibration course 1st measurement	350m	
Length of calibration course 2nd measurement	350m	
Possible 3rd measure (max. 1 cm diff per 100m 1 st and 2 nd)		
Date and time for measurement	28.04.2024 18:00	
Average of measurements before adjustments	350m	
Temperature (road or measuring tape)	6	
Adjustment cf. D-(D*(1+(temp-20)*0,0000115)	0,9998390	
Measured calibration distance after adjustment	349,944 m	
Distance from start/finish to calibration distance	1200m	

CALIBRATION INFORMATION - (max 8 counts difference of 1000 m between 4 measurements, ie 2 counts of 300m and 3 count of 400m)					nts, ie	
Pre-measurement:			Post measurement:			
	Date and Time: 28.04.2024 18:00			Date and Tin	ne: 28.04.202	4 18:30
	Start	End	Diff.	Start	End	Diff.
1st measure	67716,0	71860,0	4144,0	465,0	4 608,0	4143,0
2nd measure	71860,0	76004,0	4144,0	4608,0	8752,0	4144,0
3rd measure	76004,0	80147,0	4143,0	8752,0	12895,0	4143,0
4th measure	80147,0	84290,0	4143,0	12895,0	17039,0	4144,0



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	Pre	Post	
	measurement	measurement	
Average	4 143,5	4 143,5	Today's constant. Either
(1+2+3+4) / 4			highest or average of before
			and after measurement
Working constant 1 km	11 840,5	11 840,5	
Addn. +1‰	11,8	11,8	
Measurement constant (rounded)	11 852	11 852	11 852

MEASUREMENT PROCEDURE		
Measurement constant	11 852	
Measured Distance	Counter	Description of place
0m	84 531,0	Start, At first lamppost by the parking lot. Measured in running direction
655m	92 294,0	Finish, same as start
	7 763,0	

Second measurement in opposite direction

	mem opposite am eetie	•••
0m	92 294,0	Start, At first lamppost by the parking lot.
		Measured in opposite running direction
655m	100 056,0	Finish, same as start
	7 762,0	



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CONCLUSION OF MEASUREMENT

1. Measurement method

Cook-Jones counter mounted on bicycle wheel

2. Measurement procedure

Stopp counter - Start counter = total counts 92 294 – 84 531 = 7 763

Total counts / measurement constant * 1000 = total distance in meter 7 763 / 11 8852 * 1000 = 655 meter

The course was measured in both directions with one tick in difference.

The race is a closed loop. Race will finish after 6 hours.

Rounds will be counted and the extra distance after 6 hours will be measured with a measuring-weel.

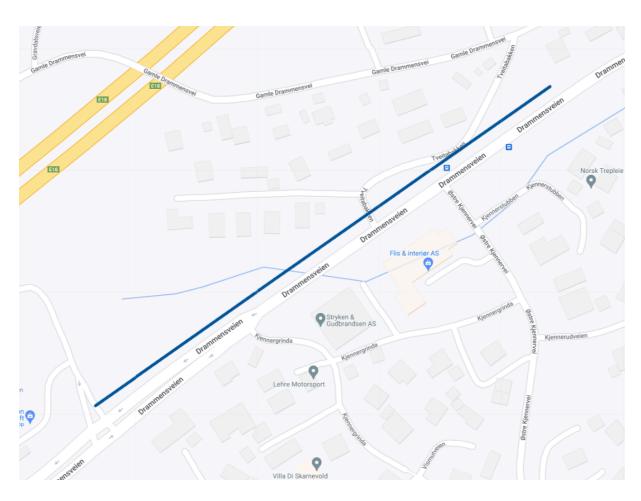


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CALIBRATION COURSE MAP



https://www.google.com/maps/d/edit?mid=1M-YICQwGYiMPDSPXilrQao biiBu9rA&usp=sharing

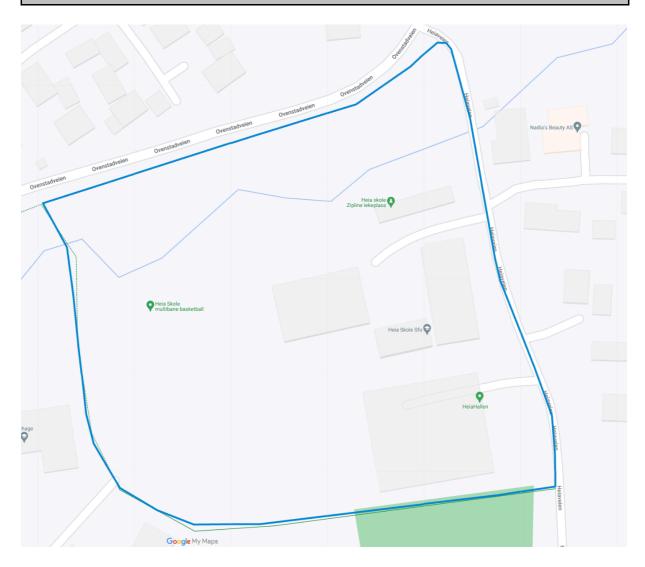


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COURSE MAP & DESCRIPTION



https://www.google.com/maps/d/edit?mid=1NkNAsVSprs0iLzzIguMAcRrys8E-ZC0&usp=sharing



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Alongside Heiahallen, in Heiaveien the course was measured in the middle of the road, to make it easier to run the turn. The organizers must have a fence or ribbon in place as a guide.



When turning from Ovenstadveien down Heiaveien, the track is measured half a meter from the edge of the grass, not on the asphalt. No extra fence or ribbon is needed.

