



CERTIFICATE OF ACCREDITATION

In terms of section 22(2) (b) of the Accreditation for Conformity Assessment, Calibration and Good Laboratory Practice Act, 2006 (Act 19 of 2006), read with sections 23(1), (2) and (3) of the said Act, I hereby certify that:-

WEARCHECK LABORATORIES

Co. Reg. No.: 1989/000201/07

Facility Accreditation Number: T0223

is a South African National Accreditation System accredited facility
provided that all conditions and requirements are complied with

This certificate is valid as per the scope as stated in the accompanying schedule of accreditation,
Annexure "A", bearing the above accreditation number for

CHEMICAL AND MICROBIOLOGICAL ANALYSIS

The facility is accredited in accordance with the recognised International Standard

ISO/IEC 17025:2017

The accreditation demonstrates technical competency for a defined scope and the operation of a
quality management system

While this certificate remains valid, the Accredited Facility named above is authorised to
use the relevant accreditation symbol to issue facility reports and/or certificates

Mr F Osman

Acting Chief Executive Officer

Effective Date: 11 October 2023
Certificate Expires: 31 July 2028



ANNEXURE A

SCHEDULE OF ACCREDITATION

Facility Number: **T0223****Permanent Address of Laboratory:**

WearCheck Laboratories
A division of Synerlytic Services
55 Angus Crescent
Longmeadow Business Park
Johannesburg
1610

Technical Signatories:

Mrs T Horsfield (M460 to M469, M471 to M476, M860 to M869 and M872 to M876, M877)
Mr M Lelaka (M460 to M469, M471 to M479, M474-B, M860 to M869, and M872 to M877)
Ms L Hotane (M474 and M874, M478, M479, M474B)
Ms LS Letsoalo (M474 and M874)
Ms KL Makoroane (M460 to M469, M471 to M473, M475, M476, M860 to M869 and M872, M873, M875 and M876)
Ms M Wium (M460 to M469, M471 to M476, M860 to M869 and M872 to M876, M877, M477)
Ms K Mbuli (M477)

Postal Address:

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Ms L Hotane

Issue No.: 32**Date of Issue:** 17 December 2024**Expiry Date:** 31 July 2028

Material or Products Tested	Type of Tests / Properties Measured, Range of Measurement	Standard Specifications, Techniques / Equipment Used
CHEMICAL		
<u>Johannesburg</u>		
<u>Laboratory:</u>		
Water (Potable and Waste)	Electrometric determination of pH value	M460
	Electrometric determination of Conductivity(1- 2000 mS/m)	M461
	Determination of COD by closed reflux/colourimetric finish	M462
	Determination of Alkalinity by titration	M463
	Determination of Ammonia Nitrogen by Automated Photometry (Aquakem)	M464
	Determination of Nitrate Nitrogen by calculation from M466 and M467	M465
	Determination of Nitrite Nitrogen by Automated Photometry (Aquakem)	M466
	Determination of Nitrate and Nitrite Nitrogen by Automated Photometry	M467

(Aquakem)		
Water (Potable and Waste)	Determination of Ortho Phosphate Phosphorus by Automated Photometry (Aquakem)	M468
	Determination of Chloride by Automated Photometry (Aquakem)	M469
	Determination of Hexavalent Chromium by Automated Photometry (Aquakem)	M471
	Determination of total suspended solids by Gravimetry	M472
	Determination of total dissolved solid by Gravimetry	M473
	Determination of Fluoride by Automated Photometry (Aquakem)	M475
	Determination of Sulphate by Automated Photometry (Aquakem)	M476
	Determination of dissolved metals by ICP-OES (Al, As, B, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Mo, Na, Ni, Pb, Si, Sr, V, Zn)	M474
	Determination of dissolved metals by ICP-MS (Ag, As, Ba, Be, Cd, Co, Cr, Cu, Hg, Mn, Mo, Ni, Pb, Sb, Se, Sn, Sr, U, V)	M474
AdBlue/Diesel Exhaust Fluid (DEF)		
	Determination of UREA by Refractive Index	M478
	Determination of Biuret by Spectrophotometer	M479
	Determination of Metals by ICP-OES (Ca, Cr, Cu, Fe, Mg, Ni, K, Na, and Zn, Al)	M474-B
Cape Town :Unit 25 The Reserve Capricorn way, Brankenfell, Cape Town		
Water (Potable and Waste)	Determination of Sulphate by Automated Photometry (Gallery)	M876
	Determination of Fluoride by Automated Photometry (Gallery)	M875
	Determination of Chloride by Automated Photometry (Gallery)	M869
	Determination of Ortho Phosphate Phosphorus by Automated Photometry (Gallery)	M868
	Determination of Nitrate and Nitrite Nitrogen by Automated Photometry (Gallery)	M867
	Determination of Ammonia Nitrogen by Automated Photometry (Gallery)	M864
	Determination of Nitrite Nitrogen by Automated Photometry (Gallery)	M866

Water (Potable and Waste)	Determination of Nitrate Nitrogen by Calculation from M866 and M867	M865
	Determination of Alkalinity by Titration	M863
	Determination of Chemical Oxygen Demand (COD) by closed reflux/colourimetric finish	M862
	Determination of dissolved metals by ICP-OES (Al, As, Ba, Be, B, K, Ca, V, Cd, Co, Cr, Cu, Fe, Mn, Mg, Mo, Na, Ni, Pb, Si, Sr & Zn)	M874
	Electrometric determination of Conductivity (1-200 mS/m)	M861
	Electrometric determination of pH value	M860
	Determination of Total Dissolved Solid (TDS) by Gravimetry	M873
	Determination of Total Suspended Solids (TSS) by Gravimetry	M872

MICROBIOLOGY

Water (Potable, Waste, Sea and Raw)	Determination of Total Coliforms and <i>Escherichia coli</i> by Membrane Filtration	M877
	Determination of Total Coliforms and <i>Escherichia coli</i> by Membrane Filtration	M477

Original Date of Accreditation: 01 August 2003

ISSUED BY THE SOUTH AFRICAN NATIONAL ACCREDITATION SYSTEM


Accreditation Manager