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:-

QOTHO MINERALS (PTY) LTD

Co. Reg. No.: 2013/001430/07

Accreditation Number: **RMP0012**

is a South African National Accreditation System accredited Reference Material Producer provided that all SANAS conditions and requirements are complied with

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

PRODUCER OF REFERENCE MATERIALS

The facility is accredited in accordance with the recognised International Standard

ISO 17034:2016

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 SANAS accreditation symbol to issue facility reports and/or certificates

_____

Mr F Osman
Acting Chief Executive Officer

Effective Date: 25 July 2024
Certificate Expires: 24 July 2029

ANNEXURE A

SCOPE OF ACCREDITATION

Accreditation Number: RMP0012

Permanent Address of Laboratory:
Qotho Minerals (Pty) Ltd
Reference Materials Producer
36 Pelindaba Road
Broederstroom
Madibeng
North West
0240

Postal Address:
P O Box 13
Broederstroom
0240

Tel: (087) 004-3200
Tel: (083) 702-3393
E-mail: hannelie@qotho.co.za
admin@qotho.co.za

Technical Signatories: Dr H de Beer
Mr TAJ Tsapayi

Nominated Representative: Dr H de Beer

Issue No.: 06
Date of Issue: 24 February 2025
Expiry Date: 24 July 2029

ITEM	PROPERTY(IES) CHARACTERISED	DETAILS of PROPERTY CHARACTERISED	RANGE of PROPERTY CHARACTERIZED	METHOD USED TO ASSIGN PROPERTY VALUE
2	**CERTIFIED REFERENCE MATERIAL (CRM)**			
2.1	**Soils**			Study in a network of Competent Laboratories
2.1.1	Chemical elements; anions; cations	**Inorganic and Physical testing** – Elements of the periodic table, expressed either as metals, oxides, sulphides, carbonates, or other similar substance; specific gravity and Loss on Ignition	From trace analysis to pure products (0.00001 – 99.999%) SG (0.1 – 20g/cm^3) LOI (-5% - 25%)	
2.2	**Ore & Rocks**			
2.2.1	Chemical elements; anions; cations	**Inorganic and Physical testing** – Elements of the periodic table, expressed either as metals, oxides, sulphides, carbonates, or other similar substance; specific gravity and Loss on Ignition	From trace analysis to pure products (0.00001 – 99.999%) SG (0.1 – 20g/cm^3) LOI (-5% - 25%)	
2.3	**Minerals**			
2.3.1	Chemical elements; anions; cations	**Inorganic and Physical testing** – Elements of the periodic table, expressed either as metals, oxides, sulphides, carbonates, or other similar substance; specific gravity and Loss on Ignition	From trace analysis to pure products (0.00001 – 99.999%) SG (0.1 – 20g/cm^3) LOI (-5% - 25%)	
2.4	**Mineral Processing materials**			
2.4.1	Chemical elements; anions; cations	**Inorganic and Physical testing** – Elements of the periodic table, expressed either as metals, oxides, sulphides, carbonates, or other similar substance; specific gravity and Loss on Ignition	From trace analysis to pure products (0.00001 – 99.999%) SG (0.1 – 20g/cm^3) LOI (-5% - 25%)	

Accreditation Manager

ANNEXURE A

Accreditation No.: RMP0012
Date of Issue: 24 February 2025
Expiry Date: 24 July 2029

ITEM	PROPERTY(IES) CHARACTERISED	DETAILS of PROPERTY CHARACTERISED	RANGE of PROPERTY CHARACTERIZED	METHOD USED TO ASSIGN PROPERTY VALUE
2	**CERTIFIED REFERENCE MATERIAL (CRM)**			
2.5	**Metals & Metal Alloys**			
2.5.1	Chemical elements; anions; cations	**Inorganic and Physical testing** – Elements of the periodic table, expressed either as metals, oxides, sulphides, carbonates, or other similar substance; specific gravity and Loss on Ignition	From trace analysis to pure products (0.00001 – 99.999%) SG (0.1 – 20g/cm^3) LOI (-5% - 25%)	
2.6	**Oxides & Salts**			
2.6.1	Chemical elements; anions; cations	**Inorganic and Physical testing** – Elements of the periodic table, expressed either as metals, oxides, sulphides, carbonates, or other similar substance; specific gravity and Loss on Ignition	From trace analysis to pure products (0.00001 – 99.999%) SG (0.1 – 20g/cm^3) LOI (-5% - 25%)	

ISSUED BY THE SOUTH AFRICAN NATIONAL ACCREDITATION SYSTEM

Accreditation Manager