

Laboratory Report

Client: Pilbara Minerals Ltd
Client address: Level 2, 146 Colin Street WEST PERTH WA 6005
Job ID: 24_1105
Lab ID: 24_1105_002
Client ID: PPA/SAMP2402/COARSE

Date received: 27/06/2024
Date analysed: 16/08/2024
Date reported: 16/08/2024
Revision no.: 0

Comments: None.

Analysis: Radiation Activity Screening

The sample was analysed for Uranium (U), Thorium (Th) and Rubidium (Rb) by ICPMS/OES using acid digestion methods. The total activity was calculated from this result by assuming secular equilibrium (all isotopic abundances are in the ratios found in naturally occurring radioactive materials, NORMs). Please note that no other isotopes were used in this calculation.

Sample preparation

The sample was tested as received.

Results

**Table 1: Radioactivity calculated for uranium, thorium and rubidium for 24_1105_002
PPA/SAMP2402/COARSE.**

Element	Concentration (mg/kg)	Activity (Bq/kg)	Activity (Bq/g)
Uranium (U)	3	79.7	0.0797
Uranium (U) excl. U234	3	38.8	0.0388
Thorium (Th)	1.5	6.1	0.0061
Rubidium (Rb)	669	454.7	0.4547
Total activity (ADG) excl. U234:		499.5	0.500
Total activity incl. U234:		540.5	0.540

Please note that the Australian Dangerous Goods Code (ADG) calculation excludes U234 from the activity calculation. Some international regulations do include U234 in the calculation for NORMs so both values have been provided.

Reported by: [REDACTED] (multidisciplinary)
Approved by: [REDACTED] B.Sc.(Nanotechnology)
Signed: [REDACTED]