

Laboratory Report

Client: Wodgina Lithium Pty Ltd
Client address: 20 Walters Drive, Osborne Park, WA< 6017, Australia
Job ID: 24_1255
Lab ID: 24_1255_001
Client ID: Spodumene Concentrate SC6.0

Date received: 22/07/2024
Date analysed: 01/08/2024
Date reported: 20/08/2024
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

Testing as received

Results

Table 1: Radioactivity calculated for uranium, thorium and rubidium for 24_1255_001 Spodumene Concentrate SC6.0.

Element	Concentration (mg/kg)	Activity (Bq/kg)	Activity (Bq/g)
Uranium (U)	3.5	93.0	0.0930
Uranium (U) excl. U234	3.5	45.3	0.0453
Thorium (Th)	5	20.3	0.0203
Rubidium (Rb)	1270	863.1	0.8631
Total activity (ADG) excl. U234:		928.7	0.929
Total activity incl. U234:		976.4	0.976

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] Cert IV (Laboratory Techniques)
Approved by: [REDACTED] Diploma (Laboratory Technology)