Australian Laboratory Services Arabia Co. Ltd.

P.O. Box 54605
Industrial Area 1, Phase 4, Street 62
Jeddah 21254
www.alsarabia.com

To: SAUDI GEOLOGICAL SURVEY
JEDDAH -AHMED BIN MOHAMMED AL ASHAB
ZIP CODE: 21514
JEDDAH 21514

Finalized Date: 7-JAN-2025
This copy reported on 12-JAN-2025
Account: SGSKSB

QC CERTIFICATE JD24346312

Project: SGSKSB

P.O. No.: JD-151-23-A2

This report is for 263 samples of Sediment submitted to our lab in Jeddah, Saudi Arabia on 11-DEC-2024.

The following have access to data associated with this certificate:

JOHN BARRY	GEORGE BOADU	WASEEM DAHERI
ROY ELLIOTT	ANWAR D. JAHDALI	TARIQ JAHLAN
EMERIC NANA	ABDULRAHMAN OBAIDI	ANDRÉ OELOFSEN
WESSON REID	ANDRE VORSTER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
LOG-24	Pulp Login - Rcd w/o Barcode
SPL-22Y	Split Sample - Boyd Rotary Splitter
PUL-31	Pulverize up to 250g 85% <75 um
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
AuME-TL43	25g Trace Au + Multi Element PKG	

This is the Final Report and supersedes any preliminary report with this certificate number.Results apply to samples as submitted.All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Comments: Samples Submitted by: Waseem Daheri

Signature:

Cameron Brosnan, Laboratory Manager, Perth

Australian Laboratory Services Arabia Co. Ltd.
P.O. Box 54605
Industrial Area 1, Phase 4, Street 62
Jeddah 21254
www.alsarabia.com

To: SAUDI GEOLOGICAL SURVEY
JEDDAH -AHMED BIN MOHAMMED AL ASHAB
ZIP CODE: 21514
JEDDAH 21514

Finalized Date: 7-JAN-2025
Account: SGSKSB

Project: SGSKSB

QC CERTIFICATE OF ANALYSIS JD24346312

Sample Description	Method	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43
	Analyte	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.001	0.01	0.01	0.1	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1	0.05	0.2
STANDARDS																
GLG320-2		0.064	1.39	0.94	0.4	<10	50	0.25	0.08	0.38	0.03	21.6	10.8	12	1.95	47.6
GLG320-2		0.066	1.40	0.93	0.5	<10	50	0.25	0.08	0.37	0.03	22.0	11.2	12	1.93	48.0
GLG320-2		0.067	1.34	0.90	0.4	<10	50	0.24	0.07	0.36	0.04	20.4	10.5	11	1.86	47.9
GLG320-2		0.070	1.39	0.95	0.4	<10	60	0.26	0.08	0.39	0.03	22.8	11.4	12	1.98	49.2
Target Range - Lower Bound		0.059	1.25	0.84	0.2		30	0.13	0.05	0.34	<0.01	18.70	9.4	9	1.62	44.3
Upper Bound		0.074	1.55	1.04	0.6		80	0.35	0.09	0.44	0.05	22.9	11.7	14	2.09	51.3
MRCA-21		0.130	8.37	1.86	19.2	<10	130	1.46	1.57	0.40	2.08	44.8	31.8	51	9.75	947
MRCA-21		0.128	8.49	1.98	20.3	<10	120	1.56	1.63	0.43	2.12	44.8	32.6	53	10.15	953
MRCA-21		0.128	8.44	1.96	18.2	<10	150	1.55	1.56	0.43	2.06	43.5	30.4	53	9.70	956
Target Range - Lower Bound		0.116	7.59	1.81	17.0	<10	50	1.38	1.39	0.38	1.86	40.3	28.0	46	8.77	887
Upper Bound		0.144	9.29	2.23	21.0	30	110	1.80	1.73	0.49	2.30	49.3	34.4	58	10.85	1020
OREAS 503e		0.737	1.52	1.79	29.2	<10	50	1.21	1.95	0.71	0.36	19.15	16.2	50	7.87	5240
OREAS 503e		0.682	1.46	1.75	28.7	<10	50	1.19	1.93	0.69	0.61	17.65	15.8	48	7.63	5180
OREAS 503e		0.683	1.43	1.83	28.5	<10	70	1.23	1.94	0.73	0.64	18.45	15.5	50	7.55	5350
OREAS 503e		0.673	1.39	1.71	27.6	<10	50	1.15	2.02	0.68	0.63	16.75	15.7	48	7.65	5090
Target Range - Lower Bound		0.634	1.33	1.66	25.6	<10	<10	1.08	1.76	0.64	0.60	17.10	14.4	44	7.15	4930
Upper Bound		0.778	1.65	2.05	31.6	20	60	1.43	2.18	0.80	0.76	20.9	17.8	56	8.85	5670
OREAS 505b		0.548	1.34	1.75	9.4	<10	90	1.28	0.77	0.75	0.15	23.3	9.4	53	7.94	3260
OREAS 505b		0.573	1.28	1.75	9.6	<10	110	1.28	0.79	0.76	0.19	21.0	8.9	54	7.68	3240
OREAS 505b		0.560	1.28	1.78	9.5	<10	110	1.31	0.75	0.75	0.17	22.2	9.4	54	7.65	3230
OREAS 505b		0.554	1.31	1.82	9.0	<10	90	1.31	0.75	0.78	0.19	20.9	9.2	56	7.74	3320
Target Range - Lower Bound		0.489	1.14	1.61	8.0	<10	50	1.13	0.67	0.70	0.16	20.1	7.8	49	7.18	2990
Upper Bound		0.599	1.42	1.99	10.0	20	110	1.49	0.84	0.87	0.22	24.7	9.8	62	8.88	3450
BLANKS																
BLANK		<0.001	<0.01	<0.01	<0.1	<10	<10	<0.05	<0.01	<0.01	<0.01	<0.02	<0.1	<1	<0.05	<0.2
BLANK		0.001	<0.01	<0.01	<0.1	<10	<10	<0.05	0.01	<0.01	0.01	<0.02	<0.1	<1	<0.05	<0.2
BLANK		<0.001	<0.01	<0.01	<0.1	<10	<10	<0.05	<0.01	<0.01	<0.01	<0.02	<0.1	<1	<0.05	<0.2
BLANK		<0.001	<0.01	<0.01	0.1	<10	<10	<0.05	<0.01	<0.01	<0.01	<0.02	<0.1	<1	<0.05	<0.2
BLANK		<0.001	<0.01	<0.01	<0.1	<10	<10	<0.05	<0.01	<0.01	<0.01	<0.02	<0.1	<1	<0.05	<0.2
BLANK		<0.001	<0.01	<0.01	<0.1	<10	<10	<0.05	<0.01	<0.01	<0.01	<0.02	<0.1	<1	<0.05	<0.2
BLANK		<0.001	<0.01	<0.01	<0.1	<10	<10	<0.05	<0.01	<0.01	<0.01	<0.02	<0.1	<1	<0.05	<0.2
BLANK		<0.001	<0.01	<0.01	<0.1	<10	<10	<0.05	<0.01	<0.01	<0.01	<0.02	<0.1	<1	<0.05	<0.2
Target Range - Lower Bound		<0.001	<0.01	<0.01	<0.1	<10	<10	<0.05	<0.01	<0.01	<0.01	<0.02	<0.1	<1	<0.05	<0.2
Upper Bound		0.002	0.02	0.02	0.2	20	20	0.10	0.02	0.02	0.02	0.04	0.2	2	0.10	0.4

Comments: Samples Submitted by: Waseem Daheri

***** See Appendix Page for comments regarding this certificate *****

Australian Laboratory Services Arabia Co. Ltd.
P.O. Box 54605
Industrial Area 1, Phase 4, Street 62
Jeddah 21254
www.alsarabia.com

To: SAUDI GEOLOGICAL SURVEY
JEDDAH -AHMED BIN MOHAMMED AL ASHAB
ZIP CODE: 21514
JEDDAH 21514

Finalized Date: 7-JAN-2025
Account: SGSKSB

Project: SGSKSB

QC CERTIFICATE OF ANALYSIS JD24346312

Sample Description	Method	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43
	Analyte	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni
	Units	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	LOD	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01	0.05	0.2
STANDARDS																
GLG320-2		2.44	4.25	0.05	0.35	<0.01	0.010	0.32	11.8	12.3	0.53	268	7.21	0.06	0.13	14.8
GLG320-2		2.41	4.43	0.05	0.38	<0.01	0.012	0.33	12.0	12.4	0.52	264	6.68	0.05	0.14	15.0
GLG320-2		2.34	4.15	<0.05	0.37	<0.01	0.010	0.32	11.1	12.0	0.51	257	6.80	0.06	0.13	14.4
GLG320-2		2.48	4.40	0.05	0.35	<0.01	0.012	0.33	12.2	12.7	0.54	268	7.92	0.07	0.13	15.6
Target Range - Lower Bound		2.16	3.75	<0.05	0.33	<0.01	<0.005	0.29	9.7	10.9	0.46	230	6.54	0.04	0.10	12.9
Upper Bound		2.66	4.69	0.16	0.45	0.02	0.022	0.37	12.3	13.5	0.58	292	8.10	0.09	0.32	16.2
MRCA-21		3.17	9.43	0.09	0.23	0.05	0.115	0.98	26.4	46.2	0.68	7960	24.4	0.13	0.24	942
MRCA-21		3.30	10.10	0.09	0.24	0.07	0.118	1.03	26.8	49.4	0.72	8260	23.9	0.13	0.28	954
MRCA-21		3.30	9.54	0.08	0.21	0.06	0.114	1.03	25.3	48.4	0.71	8180	24.0	0.15	0.25	964
Target Range - Lower Bound		2.96	8.91	<0.05	0.19	0.04	0.103	0.91	23.1	42.5	0.63	7360	21.6	0.11	0.21	860
Upper Bound		3.64	11.00	0.23	0.29	0.09	0.137	1.13	28.7	52.1	0.79	9000	26.5	0.16	0.45	1050
OREAS 503e		3.86	8.92	0.08	0.22	0.06	0.383	0.85	8.8	38.6	0.81	365	330	0.12	0.32	47.0
OREAS 503e		3.77	8.75	0.08	0.21	0.06	0.371	0.83	8.5	38.1	0.80	346	319	0.11	0.28	45.3
OREAS 503e		3.90	8.65	0.08	0.22	0.06	0.362	0.84	8.9	38.9	0.82	359	329	0.13	0.32	46.3
OREAS 503e		3.77	8.50	0.07	0.21	0.06	0.374	0.80	7.9	37.2	0.79	345	317	0.11	0.30	46.4
Target Range - Lower Bound		3.54	8.45	<0.05	0.18	0.04	0.337	0.75	7.8	34.2	0.74	328	300	0.10	0.22	41.6
Upper Bound		4.34	10.45	0.19	0.28	0.09	0.423	0.94	10.0	42.0	0.92	412	366	0.15	0.45	51.2
OREAS 505b		2.90	8.50	0.08	0.22	0.01	0.078	0.88	11.2	37.5	0.71	364	70.7	0.14	0.27	40.8
OREAS 505b		2.94	8.29	0.06	0.23	0.02	0.076	0.88	10.4	37.4	0.72	361	67.5	0.14	0.25	39.5
OREAS 505b		2.96	8.71	0.07	0.24	0.01	0.079	0.90	11.2	38.6	0.73	368	67.3	0.14	0.27	39.7
OREAS 505b		3.05	8.33	0.06	0.23	0.01	0.076	0.92	10.0	39.1	0.75	373	69.0	0.15	0.22	40.3
Target Range - Lower Bound		2.65	7.51	<0.05	0.20	<0.01	0.063	0.81	9.3	33.7	0.65	337	60.3	0.12	0.15	34.5
Upper Bound		3.27	9.29	0.17	0.30	0.04	0.091	1.01	11.9	41.5	0.82	423	73.8	0.17	0.37	42.7
BLANKS																
BLANK		<0.01	<0.05	<0.05	<0.02	<0.01	<0.005	<0.01	<0.2	<0.1	<0.01	<5	<0.05	0.01	<0.05	<0.2
BLANK		<0.01	<0.05	<0.05	<0.02	<0.01	<0.005	<0.01	<0.2	<0.1	<0.01	<5	<0.05	0.01	<0.05	<0.2
BLANK		<0.01	<0.05	<0.05	<0.02	<0.01	<0.005	<0.01	<0.2	<0.1	<0.01	<5	<0.05	<0.01	<0.05	<0.2
BLANK		<0.01	<0.05	<0.05	<0.02	<0.01	<0.005	<0.01	<0.2	<0.1	<0.01	<5	<0.05	0.01	<0.05	<0.2
BLANK		<0.01	<0.05	<0.05	<0.02	<0.01	<0.005	<0.01	<0.2	<0.1	<0.01	<5	<0.05	0.01	<0.05	<0.2
BLANK		<0.01	<0.05	<0.05	<0.02	<0.01	<0.005	<0.01	<0.2	0.1	<0.01	<5	<0.05	<0.01	<0.05	<0.2
BLANK		<0.01	<0.05	<0.05	<0.02	<0.01	<0.005	<0.01	<0.2	0.1	<0.01	<5	<0.05	0.01	<0.05	<0.2
BLANK		<0.01	<0.05	<0.05	<0.02	<0.01	<0.005	<0.01	<0.2	0.1	<0.01	<5	<0.05	0.01	<0.05	<0.2
Target Range - Lower Bound		<0.01	<0.05	<0.05	<0.02	<0.01	<0.005	<0.01	<0.2	<0.1	<0.01	<5	<0.05	<0.01	<0.05	<0.2
Upper Bound		0.02	0.10	0.10	0.04	0.02	0.010	0.02	0.4	0.2	0.02	10	0.10	0.02	0.10	0.4

Comments: Samples Submitted by: Waseem Daheri

***** See Appendix Page for comments regarding this certificate *****

Australian Laboratory Services Arabia Co. Ltd.
P.O. Box 54605
Industrial Area 1, Phase 4, Street 62
Jeddah 21254
www.alsarabia.com

To: SAUDI GEOLOGICAL SURVEY
JEDDAH -AHMED BIN MOHAMMED AL ASHAB
ZIP CODE: 21514
JEDDAH 21514

Finalized Date: 7-JAN-2025
Account: SGSKSB

Project: SGSKSB

QC CERTIFICATE OF ANALYSIS JD24346312

Sample Description	Method	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43
	Analyte	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
	LOD	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2	0.005	0.02
STANDARDS																
GLG320-2		520	16.9	38.2	<0.001	0.05	0.59	1.9	<0.2	0.9	11.0	<0.01	0.01	12.7	0.190	0.32
GLG320-2		500	18.0	38.5	0.001	0.05	0.57	1.8	0.2	0.8	10.8	<0.01	<0.01	12.5	0.196	0.32
GLG320-2		500	17.4	38.0	0.001	0.05	0.54	1.8	<0.2	0.8	10.4	<0.01	<0.01	11.8	0.188	0.30
GLG320-2		520	17.8	39.0	<0.001	0.06	0.57	1.9	0.3	0.9	11.0	<0.01	<0.01	12.4	0.196	0.32
Target Range - Lower Bound		440	15.3	33.0	<0.001	0.04	0.45	1.5	<0.2	0.4	9.1	<0.01	<0.01	11.0	0.173	0.24
Upper Bound		560	19.1	40.6	0.003	0.08	0.77	2.1	0.5	1.3	11.6	0.02	0.02	13.8	0.223	0.38
MRCA-21		620	858	107.5	0.013	0.41	19.15	8.8	1.2	3.7	32.5	<0.01	0.12	4.0	0.256	0.87
MRCA-21		620	898	110.5	0.012	0.42	19.45	9.1	1.1	3.9	33.9	<0.01	0.13	4.1	0.270	0.88
MRCA-21		630	892	103.5	0.013	0.43	17.70	8.4	1.1	3.5	31.2	<0.01	0.14	4.1	0.270	0.83
Target Range - Lower Bound		560	796	95.3	0.009	0.38	17.30	7.5	0.6	3.2	29.6	<0.01	0.10	3.5	0.233	0.70
Upper Bound		700	974	116.5	0.015	0.48	23.5	9.4	1.5	4.3	36.6	0.03	0.16	4.7	0.295	1.00
OREAS 503e		680	61.3	87.2	0.018	0.86	184.0	8.3	6.2	3.4	41.5	<0.01	0.84	2.9	0.223	0.58
OREAS 503e		640	59.7	81.2	0.016	0.84	162.5	7.6	5.2	3.0	39.5	<0.01	0.82	2.7	0.220	0.54
OREAS 503e		680	61.7	85.3	0.016	0.86	174.0	7.9	5.6	3.0	43.3	<0.01	0.89	2.9	0.228	0.52
OREAS 503e		650	60.2	82.0	0.018	0.84	168.0	7.5	5.8	3.0	38.7	<0.01	0.81	2.5	0.218	0.54
Target Range - Lower Bound		610	55.6	77.3	0.013	0.77	158.0	7.1	5.0	2.7	37.6	<0.01	0.76	2.3	0.200	0.46
Upper Bound		770	68.4	94.7	0.019	0.96	214	8.8	6.6	3.9	46.4	0.02	0.95	3.3	0.256	0.66
OREAS 505b		650	35.1	90.1	0.025	0.53	7.62	7.8	3.8	3.1	81.3	<0.01	0.17	3.7	0.215	0.58
OREAS 505b		670	34.9	88.1	0.023	0.54	7.25	7.2	3.6	3.0	81.2	<0.01	0.18	3.6	0.220	0.54
OREAS 505b		650	34.5	89.5	0.023	0.54	7.76	7.7	3.8	3.2	80.6	<0.01	0.18	3.6	0.226	0.55
OREAS 505b		690	34.9	85.7	0.023	0.57	7.42	7.3	3.6	3.0	77.8	<0.01	0.15	3.4	0.230	0.55
Target Range - Lower Bound		600	30.7	80.0	0.019	0.47	6.42	6.6	3.1	2.6	73.3	<0.01	0.13	3.0	0.198	0.44
Upper Bound		760	37.9	98.0	0.025	0.60	8.80	8.3	4.3	3.7	90.1	0.02	0.19	4.2	0.254	0.64
BLANKS																
BLANK		<10	<0.2	<0.1	<0.001	<0.01	<0.05	<0.1	<0.2	<0.2	<0.2	<0.01	<0.01	<0.2	<0.005	<0.02
BLANK		<10	<0.2	<0.1	<0.001	<0.01	<0.05	<0.1	<0.2	<0.2	<0.2	<0.01	<0.01	<0.2	<0.005	<0.02
BLANK		<10	<0.2	<0.1	<0.001	0.01	<0.05	<0.1	<0.2	<0.2	<0.2	<0.01	<0.01	<0.2	<0.005	<0.02
BLANK		<10	<0.2	<0.1	<0.001	<0.01	<0.05	<0.1	<0.2	<0.2	<0.2	<0.01	0.01	<0.2	<0.005	<0.02
BLANK		<10	<0.2	<0.1	<0.001	<0.01	<0.05	<0.1	<0.2	<0.2	<0.2	<0.01	<0.01	<0.2	<0.005	<0.02
BLANK		<10	<0.2	<0.1	<0.001	<0.01	<0.05	<0.1	<0.2	<0.2	<0.2	<0.01	<0.01	<0.2	<0.005	<0.02
BLANK		<10	<0.2	<0.1	<0.001	<0.01	<0.05	<0.1	<0.2	<0.2	<0.2	<0.01	<0.01	<0.2	<0.005	<0.02
BLANK		<10	<0.2	<0.1	<0.001	0.01	<0.05	<0.1	<0.2	<0.2	<0.2	<0.01	<0.01	<0.2	<0.005	<0.02
Target Range - Lower Bound		<10	<0.2	<0.1	<0.001	<0.01	<0.05	<0.1	<0.2	<0.2	<0.2	<0.01	<0.01	<0.2	<0.005	<0.02
Upper Bound		20	0.4	0.2	0.002	0.02	0.10	0.2	0.4	0.4	0.4	0.02	0.02	0.4	0.010	0.04

Comments: Samples Submitted by: Waseem Daheri

***** See Appendix Page for comments regarding this certificate *****

Australian Laboratory Services Arabia Co. Ltd.
P.O. Box 54605
Industrial Area 1, Phase 4, Street 62
Jeddah 21254
www.alsarabia.com

To: SAUDI GEOLOGICAL SURVEY
JEDDAH -AHMED BIN MOHAMMED AL ASHAB
ZIP CODE: 21514
JEDDAH 21514

Finalized Date: 7-JAN-2025
Account: SGSKSB

Project: SGSKSB

QC CERTIFICATE OF ANALYSIS JD24346312

Sample Description	Method Analyte Units LOD	AuME-TL43 U ppm 0.05	AuME-TL43 V ppm 1	AuME-TL43 W ppm 0.05	AuME-TL43 Y ppm 0.05	AuME-TL43 Zn ppm 2	AuME-TL43 Zr ppm 0.5
STANDARDS							
GLG320-2		5.51	47	0.30	11.00	46	15.9
GLG320-2		5.80	47	0.29	11.45	45	16.2
GLG320-2		5.51	46	0.27	10.35	43	16.4
GLG320-2		6.07	49	0.27	11.25	46	15.4
Target Range - Lower Bound		5.13	43	0.16	9.58	36	13.5
Upper Bound		6.39	54	0.42	11.80	48	19.4
MRCA-21		3.38	59	4.82	11.25	805	6.1
MRCA-21		3.37	62	5.14	11.85	823	6.5
MRCA-21		3.40	62	4.82	11.90	819	5.9
Target Range - Lower Bound		3.07	56	4.11	10.05	721	5.0
Upper Bound		3.87	70	5.67	12.35	885	8.3
OREAS 503e		2.83	69	4.52	9.53	247	6.3
OREAS 503e		2.70	67	4.25	9.30	243	5.5
OREAS 503e		2.69	70	4.59	8.84	251	6.0
OREAS 503e		2.79	67	4.07	8.90	242	5.3
Target Range - Lower Bound		2.67	63	3.89	8.56	228	4.9
Upper Bound		3.37	79	5.37	10.60	283	8.2
OREAS 505b		2.94	66	4.17	9.89	91	6.7
OREAS 505b		2.79	68	4.11	9.52	93	7.0
OREAS 505b		2.78	68	4.44	9.73	93	6.9
OREAS 505b		2.88	70	4.08	10.25	96	6.3
Target Range - Lower Bound		2.49	63	3.38	9.49	84	5.3
Upper Bound		3.15	79	4.70	11.70	107	8.7
BLANKS							
BLANK		<0.05	<1	<0.05	<0.05	<2	<0.5
BLANK		<0.05	<1	<0.05	<0.05	<2	<0.5
BLANK		<0.05	<1	<0.05	<0.05	<2	<0.5
BLANK		<0.05	<1	<0.05	<0.05	<2	<0.5
BLANK		<0.05	<1	<0.05	<0.05	<2	<0.5
BLANK		<0.05	<1	<0.05	<0.05	<2	<0.5
BLANK		<0.05	<1	<0.05	<0.05	<2	<0.5
BLANK		<0.05	<1	<0.05	<0.05	<2	<0.5
Target Range - Lower Bound		<0.05	<1	<0.05	<0.05	<2	<0.5
Upper Bound		0.10	2	0.10	0.10	4	1.0

Comments: Samples Submitted by: Waseem Daheri

***** See Appendix Page for comments regarding this certificate *****

Australian Laboratory Services Arabia Co. Ltd.
P.O. Box 54605
Industrial Area 1, Phase 4, Street 62
Jeddah 21254
www.alsarabia.com

To: SAUDI GEOLOGICAL SURVEY
JEDDAH -AHMED BIN MOHAMMED AL ASHAB
ZIP CODE: 21514
JEDDAH 21514

Finalized Date: 7-JAN-2025
Account: SGSKSB

Project: SGSKSB

QC CERTIFICATE OF ANALYSIS JD24346312

Sample Description	Method	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43
	Analyte	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.001	0.01	0.01	0.1	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1	0.05	0.2
DUPLICATES																
KSBSS0009		<0.001	0.02	1.97	5.5	<10	70	0.56	0.05	5.00	0.11	32.1	17.6	56	0.47	73.6
DUP		0.002	0.02	1.87	5.4	<10	70	0.54	0.05	4.85	0.10	31.5	17.0	54	0.45	71.1
Target Range - Lower Bound		<0.001	<0.01	1.81	5.1	<10	50	0.47	0.04	4.67	0.09	30.2	16.3	51	0.39	69.6
Upper Bound		0.002	0.03	2.03	5.8	20	90	0.63	0.06	5.18	0.12	33.4	18.3	59	0.53	75.1
KSBSS0044		0.002	0.01	1.28	4.5	<10	70	0.46	0.05	4.57	0.12	26.3	11.5	30	0.63	45.8
DUP		0.009	0.02	1.26	4.2	<10	70	0.45	0.05	4.59	0.11	25.7	11.2	29	0.59	44.7
Target Range - Lower Bound		0.004	<0.01	1.20	4.0	<10	50	0.38	0.04	4.34	0.10	24.7	10.7	27	0.53	43.5
Upper Bound		0.007	0.02	1.34	4.7	20	90	0.53	0.06	4.82	0.13	27.3	12.0	32	0.69	47.0
KSBSS0078		0.001	0.01	1.94	6.5	<10	60	0.50	0.06	5.25	0.13	21.2	19.4	71	0.37	53.2
DUP		0.001	0.02	1.86	6.5	<10	60	0.48	0.06	5.17	0.13	20.3	19.3	70	0.33	52.4
Target Range - Lower Bound		<0.001	<0.01	1.80	6.1	<10	50	0.42	0.05	4.94	0.11	19.70	18.3	66	0.28	50.8
Upper Bound		0.002	0.02	2.01	6.9	20	70	0.56	0.07	5.48	0.15	21.8	20.4	75	0.42	54.8
KSBSS0112		<0.001	0.01	1.44	5.6	<10	70	0.58	0.05	4.13	0.13	29.2	13.5	25	0.89	41.8
DUP		0.001	0.01	1.38	5.3	<10	70	0.57	0.05	4.00	0.11	27.7	13.0	25	0.81	40.0
Target Range - Lower Bound		<0.001	<0.01	1.33	5.1	<10	50	0.50	0.04	3.85	0.10	27.0	12.5	23	0.76	39.3
Upper Bound		0.002	0.02	1.49	5.8	20	90	0.65	0.06	4.28	0.14	29.9	14.0	27	0.94	42.5
KSBSS0146		0.004	0.02	1.37	75.0	<10	70	0.60	0.05	5.62	0.12	31.9	10.7	29	0.41	29.3
DUP		0.005	0.02	1.34	72.8	<10	70	0.59	0.05	5.42	0.12	32.2	10.4	29	0.42	28.4
Target Range - Lower Bound		0.003	<0.01	1.28	70.1	<10	50	0.52	0.04	5.23	0.10	30.4	9.9	27	0.34	27.6
Upper Bound		0.006	0.03	1.43	77.7	20	90	0.67	0.06	5.81	0.14	33.7	11.2	31	0.49	30.1
KSBSS0181		0.001	0.02	1.16	4.1	<10	70	0.38	0.04	4.41	0.08	25.0	9.3	26	0.43	44.4
DUP		0.004	0.02	1.06	3.8	<10	60	0.35	0.04	4.25	0.07	23.3	8.9	24	0.39	42.3
Target Range - Lower Bound		<0.001	<0.01	1.04	3.7	<10	50	0.30	0.03	4.10	0.06	22.9	8.5	23	0.34	41.6
Upper Bound		0.004	0.03	1.18	4.2	20	80	0.43	0.05	4.56	0.09	25.4	9.7	27	0.48	45.1
KSBSS0215		0.001	0.01	1.17	4.1	<10	60	0.30	0.05	4.83	0.10	17.85	11.5	30	0.32	31.8
DUP		0.002	0.01	1.16	4.0	<10	60	0.29	0.04	4.78	0.10	17.75	11.2	30	0.33	31.2
Target Range - Lower Bound		<0.001	<0.01	1.10	3.7	<10	50	0.23	0.03	4.55	0.09	16.90	10.7	28	0.26	30.2
Upper Bound		0.002	0.02	1.23	4.4	20	70	0.36	0.06	5.06	0.12	18.70	12.0	33	0.39	32.8
KSBSS0249		0.001	0.01	1.14	3.0	<10	60	0.31	0.04	3.00	0.06	18.55	9.7	25	0.23	25.9
DUP		0.001	0.01	1.05	3.0	<10	60	0.29	0.04	2.88	0.05	17.95	9.4	24	0.20	25.3
Target Range - Lower Bound		<0.001	<0.01	1.03	2.8	<10	50	0.24	0.03	2.78	0.04	17.30	9.0	22	0.15	24.5
Upper Bound		0.002	0.02	1.16	3.3	20	70	0.37	0.05	3.10	0.07	19.20	10.1	27	0.28	26.7

Comments: Samples Submitted by: Waseem Daheri

***** See Appendix Page for comments regarding this certificate *****

Australian Laboratory Services Arabia Co. Ltd.
P.O. Box 54605
Industrial Area 1, Phase 4, Street 62
Jeddah 21254
www.alsarabia.com

To: SAUDI GEOLOGICAL SURVEY
JEDDAH -AHMED BIN MOHAMMED AL ASHAB
ZIP CODE: 21514
JEDDAH 21514

Finalized Date: 7-JAN-2025
Account: SGSKSB

Project: SGSKSB

QC CERTIFICATE OF ANALYSIS JD24346312

Sample Description	Method	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43
	Analyte	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni
	Units	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	LOD	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01	0.05	0.2
DUPLICATES																
KSBSS0009		3.29	7.15	0.06	0.12	0.01	0.015	0.18	14.7	10.5	1.35	544	0.47	0.04	0.05	46.8
DUP		3.19	6.96	0.05	0.13	0.01	0.016	0.17	14.7	10.1	1.30	528	0.45	0.04	0.05	44.9
Target Range - Lower Bound		3.07	6.65	<0.05	0.10	<0.01	0.010	0.16	13.8	9.7	1.25	504	0.39	0.03	<0.05	43.4
Upper Bound		3.41	7.46	0.10	0.15	0.02	0.021	0.19	15.6	10.9	1.40	568	0.53	0.05	0.10	48.3
KSBSS0044		2.41	4.89	0.05	0.15	0.01	0.015	0.14	13.9	7.3	0.85	422	0.55	0.03	0.09	28.6
DUP		2.39	4.82	0.05	0.15	0.01	0.013	0.14	13.2	7.2	0.84	420	0.53	0.03	0.09	27.3
Target Range - Lower Bound		2.27	4.56	<0.05	0.12	<0.01	0.008	0.12	12.7	6.8	0.79	395	0.46	0.02	<0.05	26.4
Upper Bound		2.53	5.15	0.10	0.18	0.02	0.020	0.16	14.4	7.7	0.90	447	0.62	0.04	0.10	29.5
KSBSS0078		3.05	6.42	<0.05	0.16	0.01	0.013	0.13	10.0	12.1	1.50	566	0.51	0.01	0.05	56.2
DUP		3.02	6.07	<0.05	0.15	0.01	0.011	0.13	9.5	11.9	1.49	566	0.49	0.01	<0.05	55.3
Target Range - Lower Bound		2.87	5.88	<0.05	0.13	<0.01	0.006	0.11	9.1	11.3	1.41	533	0.43	<0.01	<0.05	52.8
Upper Bound		3.20	6.61	0.10	0.18	0.02	0.018	0.15	10.4	12.7	1.58	599	0.58	0.02	0.10	58.7
KSBSS0112		2.85	6.35	0.05	0.14	0.01	0.014	0.15	14.1	8.4	1.05	511	0.54	0.03	0.08	24.6
DUP		2.78	5.98	0.05	0.10	0.01	0.013	0.14	13.2	8.2	1.03	501	0.52	0.03	0.07	23.6
Target Range - Lower Bound		2.66	5.81	<0.05	0.09	<0.01	0.008	0.13	12.8	7.8	0.98	476	0.45	0.02	<0.05	22.7
Upper Bound		2.97	6.52	0.10	0.15	0.02	0.019	0.16	14.5	8.8	1.10	536	0.61	0.04	0.10	25.5
KSBSS0146		2.58	6.14	0.05	0.24	<0.01	0.020	0.18	17.3	9.7	0.98	447	1.38	0.04	0.08	27.9
DUP		2.52	5.99	0.06	0.28	0.01	0.019	0.17	17.1	9.4	0.96	436	1.38	0.04	0.10	27.1
Target Range - Lower Bound		2.41	5.71	<0.05	0.23	<0.01	0.014	0.16	16.1	9.0	0.91	414	1.26	0.03	<0.05	25.9
Upper Bound		2.69	6.42	0.10	0.29	0.02	0.025	0.19	18.3	10.1	1.03	469	1.50	0.05	0.10	29.1
KSBSS0181		1.80	3.73	<0.05	0.12	<0.01	0.010	0.19	13.4	8.6	0.70	370	0.27	0.02	0.12	24.3
DUP		1.70	3.42	<0.05	0.12	0.01	0.012	0.18	12.7	8.1	0.66	353	0.26	0.02	0.11	23.0
Target Range - Lower Bound		1.65	3.35	<0.05	0.09	<0.01	<0.005	0.17	12.2	7.8	0.64	338	0.20	<0.01	0.06	22.3
Upper Bound		1.85	3.80	0.10	0.15	0.02	0.017	0.20	13.9	8.9	0.72	385	0.33	0.03	0.17	25.0
KSBSS0215		1.91	3.40	<0.05	0.08	<0.01	0.009	0.14	9.1	7.9	0.82	350	0.26	0.03	0.07	32.7
DUP		1.87	3.34	<0.05	0.08	<0.01	0.010	0.14	9.0	7.8	0.80	345	0.24	0.03	0.08	31.7
Target Range - Lower Bound		1.79	3.15	<0.05	0.06	<0.01	<0.005	0.12	8.4	7.4	0.76	325	0.19	0.02	<0.05	30.4
Upper Bound		1.99	3.59	0.10	0.10	0.02	0.010	0.16	9.7	8.3	0.86	370	0.31	0.04	0.10	34.0
KSBSS0249		1.68	3.06	<0.05	0.04	0.01	0.008	0.12	9.4	7.3	0.70	310	0.25	0.04	0.12	22.6
DUP		1.61	2.86	<0.05	0.03	0.01	0.008	0.11	9.0	7.0	0.67	302	0.23	0.03	0.11	21.7
Target Range - Lower Bound		1.55	2.76	<0.05	<0.02	<0.01	<0.005	0.10	8.5	6.7	0.64	286	0.18	0.02	0.06	20.8
Upper Bound		1.74	3.16	0.10	0.04	0.02	0.010	0.13	9.9	7.6	0.73	326	0.30	0.05	0.17	23.5

Comments: Samples Submitted by: Waseem Daheri

***** See Appendix Page for comments regarding this certificate *****

Australian Laboratory Services Arabia Co. Ltd.
P.O. Box 54605
Industrial Area 1, Phase 4, Street 62
Jeddah 21254
www.alsarabia.com

To: SAUDI GEOLOGICAL SURVEY
JEDDAH -AHMED BIN MOHAMMED AL ASHAB
ZIP CODE: 21514
JEDDAH 21514

Finalized Date: 7-JAN-2025
Account: SGSKSB

Project: SGSKSB

QC CERTIFICATE OF ANALYSIS JD24346312

Sample Description	Method	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43
	Analyte	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
	LOD	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2	0.005	0.02
DUPLICATES																
KSBSS0009		930	5.7	7.9	<0.001	0.01	0.12	5.2	0.4	0.4	101.5	<0.01	0.05	2.7	0.098	0.05
DUP		910	5.6	7.5	0.003	0.01	0.12	4.9	<0.2	0.4	97.0	<0.01	0.04	2.7	0.091	0.05
Target Range - Lower Bound		860	5.2	7.2	<0.001	<0.01	0.06	4.7	<0.2	<0.2	94.1	<0.01	0.03	2.4	0.085	0.03
Upper Bound		980	6.1	8.2	0.003	0.02	0.18	5.4	0.4	0.6	104.5	0.02	0.06	3.0	0.104	0.07
KSBSS0044		810	5.9	7.4	<0.001	0.01	0.12	3.7	0.3	0.4	85.8	<0.01	0.04	2.9	0.076	0.04
DUP		800	5.7	7.1	0.001	0.01	0.11	3.6	0.3	0.4	83.9	<0.01	0.04	2.8	0.075	0.05
Target Range - Lower Bound		750	5.3	6.8	<0.001	<0.01	0.06	3.4	<0.2	<0.2	80.4	<0.01	0.03	2.5	0.067	<0.02
Upper Bound		860	6.3	7.7	0.002	0.02	0.17	3.9	0.4	0.6	89.3	0.02	0.05	3.2	0.084	0.07
KSBSS0078		660	6.9	5.9	<0.001	0.01	0.15	5.0	0.2	0.3	91.5	<0.01	0.03	2.2	0.093	0.04
DUP		660	6.9	5.6	<0.001	0.01	0.15	4.6	0.4	0.3	86.8	<0.01	0.04	2.1	0.077	0.04
Target Range - Lower Bound		620	6.4	5.4	<0.001	<0.01	0.09	4.5	<0.2	<0.2	84.5	<0.01	0.02	1.8	0.076	<0.02
Upper Bound		700	7.4	6.1	0.002	0.02	0.21	5.1	0.4	0.4	93.8	0.02	0.05	2.5	0.094	0.06
KSBSS0112		1070	7.1	8.3	<0.001	0.01	0.14	4.4	<0.2	0.4	91.3	<0.01	0.07	2.6	0.116	0.05
DUP		1060	6.8	7.7	0.001	0.01	0.12	3.9	0.2	0.4	83.9	<0.01	0.07	2.4	0.094	0.04
Target Range - Lower Bound		1000	6.4	7.5	<0.001	<0.01	0.07	3.8	<0.2	<0.2	83.0	<0.01	0.06	2.2	0.095	<0.02
Upper Bound		1130	7.5	8.5	0.002	0.02	0.19	4.5	0.4	0.6	92.2	0.02	0.08	2.8	0.115	0.07
KSBSS0146		550	6.1	7.1	<0.001	0.02	0.16	4.4	0.5	0.5	108.0	<0.01	0.09	2.9	0.075	0.04
DUP		560	6.0	7.0	<0.001	0.02	0.18	4.2	0.2	0.5	106.0	<0.01	0.10	2.8	0.074	0.04
Target Range - Lower Bound		520	5.5	6.6	<0.001	<0.01	0.11	4.0	<0.2	0.3	101.5	<0.01	0.08	2.5	0.066	<0.02
Upper Bound		590	6.6	7.5	0.002	0.03	0.23	4.6	0.4	0.7	112.5	0.02	0.11	3.2	0.083	0.06
KSBSS0181		480	4.7	8.1	<0.001	<0.01	0.11	3.0	0.2	0.4	86.4	<0.01	0.03	3.3	0.072	0.05
DUP		460	4.4	7.4	0.003	<0.01	0.11	2.7	<0.2	0.3	79.4	<0.01	0.03	3.2	0.060	0.04
Target Range - Lower Bound		440	4.1	7.3	<0.001	<0.01	<0.05	2.6	<0.2	<0.2	78.6	<0.01	0.02	2.9	0.058	<0.02
Upper Bound		500	5.0	8.2	0.003	0.02	0.17	3.1	0.4	0.4	87.2	0.02	0.04	3.6	0.074	0.07
KSBSS0215		510	4.0	4.9	<0.001	0.02	0.09	2.8	0.2	0.2	86.9	<0.01	0.03	2.3	0.060	0.03
DUP		500	4.0	5.0	<0.001	0.01	0.10	2.8	0.2	0.3	85.7	<0.01	0.03	2.3	0.062	0.04
Target Range - Lower Bound		470	3.6	4.6	<0.001	<0.01	<0.05	2.6	<0.2	<0.2	81.8	<0.01	0.02	2.0	0.053	<0.02
Upper Bound		540	4.4	5.3	0.002	0.02	0.10	3.0	0.4	0.4	90.8	0.02	0.04	2.6	0.069	0.04
KSBSS0249		340	3.5	4.8	<0.001	0.01	0.09	2.5	<0.2	0.3	58.8	<0.01	0.01	2.5	0.070	0.03
DUP		330	3.4	4.4	<0.001	0.01	0.08	2.3	0.2	0.3	54.6	<0.01	0.02	2.4	0.059	0.03
Target Range - Lower Bound		310	3.1	4.3	<0.001	<0.01	<0.05	2.2	<0.2	<0.2	53.7	<0.01	<0.01	2.1	0.056	<0.02
Upper Bound		360	3.8	4.9	0.002	0.02	0.10	2.6	0.4	0.4	59.7	0.02	0.02	2.8	0.073	0.04

Comments: Samples Submitted by: Waseem Daheri

***** See Appendix Page for comments regarding this certificate *****

Australian Laboratory Services Arabia Co. Ltd.
P.O. Box 54605
Industrial Area 1, Phase 4, Street 62
Jeddah 21254
www.alsarabia.com

To: SAUDI GEOLOGICAL SURVEY
JEDDAH -AHMED BIN MOHAMMED AL ASHAB
ZIP CODE: 21514
JEDDAH 21514

Finalized Date: 7-JAN-2025
Account: SGSKSB

Project: SGSKSB

QC CERTIFICATE OF ANALYSIS JD24346312

Sample Description / Method / Analyte / Units / LOD	AuME-TL43 U ppm 0.05	AuME-TL43 V ppm 1	AuME-TL43 W ppm 0.05	AuME-TL43 Y ppm 0.05	AuME-TL43 Zn ppm 2	AuME-TL43 Zr ppm 0.5
DUPLICATES						
KSBSS0009	0.51	81	0.10	11.30	57	6.8
DUP	0.49	78	0.10	10.90	55	7.0
Target Range - Lower Bound	0.43	75	<0.05	10.50	51	5.9
Upper Bound	0.58	84	0.16	11.70	61	7.9
KSBSS0044	0.57	54	0.11	9.59	44	7.0
DUP	0.56	54	0.28	9.44	43	7.1
Target Range - Lower Bound	0.49	50	0.13	8.99	39	6.0
Upper Bound	0.64	58	0.26	10.05	48	8.1
KSBSS0078	0.46	59	0.11	9.31	62	7.0
DUP	0.43	57	0.10	8.96	61	7.0
Target Range - Lower Bound	0.37	54	<0.05	8.63	56	6.0
Upper Bound	0.52	62	0.16	9.64	67	8.0
KSBSS0112	0.58	59	0.11	11.40	58	8.5
DUP	0.55	56	0.10	10.55	57	6.5
Target Range - Lower Bound	0.49	54	<0.05	10.40	53	6.4
Upper Bound	0.64	61	0.16	11.55	62	8.6
KSBSS0146	0.61	40	0.08	10.70	37	10.8
DUP	0.60	40	0.09	10.55	36	11.9
Target Range - Lower Bound	0.52	37	<0.05	10.05	33	10.0
Upper Bound	0.69	43	0.10	11.20	40	12.7
KSBSS0181	0.57	36	0.08	7.18	34	4.6
DUP	0.53	33	0.07	6.59	32	4.3
Target Range - Lower Bound	0.47	32	<0.05	6.49	29	3.6
Upper Bound	0.63	37	0.10	7.28	37	5.3
KSBSS0215	0.51	38	0.07	6.48	33	3.2
DUP	0.50	38	0.07	6.40	32	3.4
Target Range - Lower Bound	0.43	35	<0.05	6.07	29	2.6
Upper Bound	0.58	41	0.10	6.81	36	4.0
KSBSS0249	0.50	34	0.11	6.10	28	1.4
DUP	0.49	31	0.10	5.81	27	1.3
Target Range - Lower Bound	0.42	30	<0.05	5.61	24	0.7
Upper Bound	0.57	35	0.16	6.30	31	2.0

Comments: Samples Submitted by: Waseem Daheri

***** See Appendix Page for comments regarding this certificate *****

Australian Laboratory Services Arabia Co. Ltd.
P.O. Box 54605
Industrial Area 1, Phase 4, Street 62
Jeddah 21254
www.alsarabia.com

To: SAUDI GEOLOGICAL SURVEY
JEDDAH -AHMED BIN MOHAMMED AL ASHAB
ZIP CODE: 21514
JEDDAH 21514

Finalized Date: 7-JAN-2025
Account: SGSKSB

Project: SGSKSB

QC CERTIFICATE OF ANALYSIS JD24346312

Sample Description	Method	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43
	Analyte	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.001	0.01	0.01	0.1	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1	0.05	0.2
PREP DUPLICATES																
KSBSS0053		0.002	0.02	1.17	6.6	<10	60	0.36	0.05	4.56	0.11	17.90	11.4	37	0.26	31.7
KSBSS0053 PREP DUP		0.001	0.01	1.28	6.4	<10	70	0.38	0.05	4.77	0.10	16.95	11.4	40	0.29	32.2
KSBSS0104		0.001	0.01	1.42	5.2	<10	60	0.44	0.07	5.71	0.11	22.5	14.4	32	0.40	45.3
KSBSS0104 PREP DUP		0.001	0.01	1.47	4.9	<10	60	0.45	0.07	5.89	0.11	22.3	14.2	33	0.42	45.0
KSBSS0155		<0.001	0.02	1.67	7.2	<10	70	0.58	0.05	2.19	0.11	27.3	17.0	49	0.30	56.5
KSBSS0155 PREP DUP		<0.001	0.02	1.78	6.9	<10	70	0.61	0.05	2.33	0.10	28.9	17.4	52	0.36	56.3
KSBSS0207		0.001	0.01	0.97	4.2	<10	50	0.32	0.06	3.36	0.07	18.65	8.6	29	0.26	26.7
KSBSS0207 PREP DUP		0.001	0.01	0.95	3.8	<10	50	0.31	0.05	3.19	0.05	16.60	7.9	28	0.26	25.6

Comments: Samples Submitted by: Waseem Daheri

***** See Appendix Page for comments regarding this certificate *****

Australian Laboratory Services Arabia Co. Ltd.
P.O. Box 54605
Industrial Area 1, Phase 4, Street 62
Jeddah 21254
www.alsarabia.com

To: SAUDI GEOLOGICAL SURVEY
JEDDAH -AHMED BIN MOHAMMED AL ASHAB
ZIP CODE: 21514
JEDDAH 21514

Finalized Date: 7-JAN-2025
Account: SGSKSB

Project: SGSKSB

QC CERTIFICATE OF ANALYSIS JD24346312

Sample Description	Method	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43
	Analyte	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni
	Units	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	LOD	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01	0.05	0.2
PREP DUPLICATES																
KSBSS0053		1.89	3.90	<0.05	0.12	0.01	0.010	0.13	8.6	7.5	0.94	367	0.49	0.03	0.08	37.0
KSBSS0053 PREP DUP		2.00	4.08	<0.05	0.12	<0.01	0.010	0.14	8.7	8.1	1.01	378	0.46	0.03	0.09	38.0
KSBSS0104		2.39	4.99	<0.05	0.14	0.01	0.012	0.15	10.8	7.5	1.02	427	0.48	0.03	0.07	34.7
KSBSS0104 PREP DUP		2.45	4.86	<0.05	0.14	<0.01	0.012	0.16	10.7	7.7	1.04	442	0.47	0.03	0.08	34.1
KSBSS0155		3.24	6.54	0.05	0.07	0.01	0.015	0.11	11.5	11.5	1.42	613	0.66	0.02	<0.05	42.6
KSBSS0155 PREP DUP		3.41	6.75	0.06	0.09	0.01	0.017	0.12	12.3	12.0	1.46	638	0.63	0.03	0.05	43.0
KSBSS0207		1.44	2.80	<0.05	0.05	<0.01	0.009	0.11	9.6	7.0	0.64	267	0.23	0.03	0.11	26.3
KSBSS0207 PREP DUP		1.38	2.66	<0.05	0.05	<0.01	0.009	0.10	8.5	6.7	0.61	257	0.23	0.09	0.13	24.2

Comments: Samples Submitted by: Waseem Daheri

***** See Appendix Page for comments regarding this certificate *****

Australian Laboratory Services Arabia Co. Ltd.
P.O. Box 54605
Industrial Area 1, Phase 4, Street 62
Jeddah 21254
www.alsarabia.com

To: SAUDI GEOLOGICAL SURVEY
JEDDAH -AHMED BIN MOHAMMED AL ASHAB
ZIP CODE: 21514
JEDDAH 21514

Finalized Date: 7-JAN-2025
Account: SGSKSB

Project: SGSKSB

QC CERTIFICATE OF ANALYSIS JD24346312

Sample Description	Method	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43
	Analyte	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
	LOD	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2	0.005	0.02
PREP DUPLICATES																
KSBSS0053		480	5.0	5.0	<0.001	0.01	0.15	2.9	0.3	0.3	82.4	<0.01	0.05	2.7	0.046	0.04
KSBSS0053 PREP DUP		500	5.0	5.3	<0.001	0.01	0.15	3.1	0.3	0.3	83.9	<0.01	0.03	2.7	0.064	0.03
KSBSS0104		560	5.0	6.4	<0.001	0.01	0.12	3.5	0.2	0.3	96.3	<0.01	0.05	3.0	0.067	0.04
KSBSS0104 PREP DUP		560	4.9	6.1	<0.001	0.01	0.12	3.6	0.3	0.3	91.7	<0.01	0.05	3.0	0.072	0.04
KSBSS0155		900	7.8	4.7	<0.001	0.01	0.18	4.9	0.2	0.3	68.2	<0.01	0.05	2.6	0.074	0.03
KSBSS0155 PREP DUP		910	7.8	5.0	<0.001	0.01	0.20	5.1	<0.2	0.4	69.6	<0.01	0.04	2.7	0.097	0.04
KSBSS0207		310	3.9	4.4	<0.001	0.01	0.11	2.4	<0.2	0.3	64.7	<0.01	0.02	2.8	0.051	0.03
KSBSS0207 PREP DUP		300	3.6	4.2	<0.001	0.07	0.10	2.2	0.3	0.3	57.6	<0.01	0.02	2.6	0.053	0.03

Comments: Samples Submitted by: Waseem Daheri

***** See Appendix Page for comments regarding this certificate *****

Australian Laboratory Services Arabia Co. Ltd.
P.O. Box 54605
Industrial Area 1, Phase 4, Street 62
Jeddah 21254
www.alsarabia.com

To: SAUDI GEOLOGICAL SURVEY
JEDDAH -AHMED BIN MOHAMMED AL ASHAB
ZIP CODE: 21514
JEDDAH 21514

Finalized Date: 7-JAN-2025
Account: SGSKSB

Project: SGSKSB

QC CERTIFICATE OF ANALYSIS JD24346312

Sample Description	Method Analyte Units LOD	AuME-TL43 U ppm 0.05	AuME-TL43 V ppm 1	AuME-TL43 W ppm 0.05	AuME-TL43 Y ppm 0.05	AuME-TL43 Zn ppm 2	AuME-TL43 Zr ppm 0.5
PREP DUPLICATES							
KSBSS0053		0.51	34	1.07	6.75	37	4.9
KSBSS0053 PREP DUP		0.52	38	0.81	7.50	37	4.9
KSBSS0104		0.50	49	0.10	8.67	39	6.7
KSBSS0104 PREP DUP		0.50	50	0.10	9.26	40	5.7
KSBSS0155		0.46	67	0.13	10.05	62	4.3
KSBSS0155 PREP DUP		0.49	73	0.16	11.60	65	4.8
KSBSS0207		0.54	28	0.08	5.51	25	2.0
KSBSS0207 PREP DUP		0.49	27	0.08	5.60	24	2.1

Comments: Samples Submitted by: Waseem Daheri

***** See Appendix Page for comments regarding this certificate *****

Australian Laboratory Services Arabia Co. Ltd.
P.O. Box 54605
Industrial Area 1, Phase 4, Street 62
Jeddah 21254
www.alsarabia.com

To: SAUDI GEOLOGICAL SURVEY
JEDDAH -AHMED BIN MOHAMMED AL ASHAB
ZIP CODE: 21514
JEDDAH 21514

Finalized Date: 7-JAN-2025
Account: SGSKSB

Project: SGSKSB

QC CERTIFICATE OF ANALYSIS JD24346312

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Perth located at 29 & 31 Denninup Way, Malaga, Australia. Processed at ALS Perth Sample Preparation at 19 Integrity Way, Wangara, WA, Australia
AuME-TL43

Applies to Method: Processed at ALS Jeddah located at P.O. Box 54605, Jeddah, Saudi Arabia.

CRU-31	CRU-QC	LOG-22	LOG-24
PUL-31	PUL-QC	SPL-22Y	WEI-21