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: 23-JAN-2025
This copy reported on 13-FEB-2025
Account: SGSKSB

QC CERTIFICATE JD25003256

Project: KSB_R_BAT_001

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

This report is for 248 samples of Rock submitted to our lab in Jeddah, Saudi Arabia on 4-JAN-2025.

The following have access to data associated with this certificate:

JOHN BARRY	GEORGE BOADU	WASEEM DAHERI
ROY ELLIOTT	NANA EMERIC	ANWAR D. JAHDALI
TARIQ JAHLAN	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
Au-AA25	Ore Grade Au 30g FA AA finish	AAS
ME-ICP61	34 element four acid ICP-AES	ICP-AES

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: Elias Mtibilo

Signature:



Abdulaziz Alzahran, Minerals Manager, ALS Arabia

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QC CERTIFICATE OF ANALYSIS JD25003256

Sample Description	Method	Au-AA25	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
	Analyte	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%
	LOD	0.01	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01	10	0.01
STANDARDS																
EMOG-17			67.5	4.70	580	280	1.8	4	1.86	20.0	752	54	8270	4.82	10	1.65
EMOG-17			68.4	4.72	589	270	1.8	4	1.93	20.2	757	55	8170	4.86	10	1.65
EMOG-17			67.3	4.53	575	170	1.8	3	1.84	18.8	725	52	7940	4.65	10	1.58
EMOG-17			67.8	4.77	591	260	1.8	7	1.86	19.8	758	53	8230	4.86	10	1.66
EMOG-17			65.6	4.49	561	790	1.7	4	1.83	19.1	723	51	7950	4.66	10	1.60
Target Range - Lower Bound			60.4	4.18	517	310	0.7	<2	1.72	17.7	685	49	7740	4.42	<10	1.49
Upper Bound			75.0	5.13	643	440	2.9	10	2.12	22.7	839	62	8910	5.42	30	1.85
GBM321-8			3.4	7.48	57	1150	1.5	2	3.93	2.2	27	143	3660	5.62	20	2.18
GBM321-8			3.5	7.65	58	1180	1.5	2	3.98	2.4	28	147	3660	5.69	20	2.22
GBM321-8			3.3	7.17	55	1090	1.5	2	3.70	2.0	26	132	3440	5.44	20	2.09
GBM321-8			3.6	7.77	59	1220	1.6	2	4.06	2.4	27	151	3870	5.96	20	2.30
Target Range - Lower Bound			1.9	6.40	43	930	<0.5	<2	3.33	0.6	23	125	3380	4.98	<10	1.87
Upper Bound			4.2	7.84	69	1280	2.5	5	4.10	2.8	30	155	3890	6.10	40	2.31
OREAS 242		8.77														
OREAS 242		8.93														
OREAS 242		8.59														
OREAS 242		8.88														
OREAS 242		8.63														
OREAS 242		8.92														
Target Range - Lower Bound		8.14														
Upper Bound		9.20														
OREAS 45f			0.5	10.10	6	210	1.1	3	0.10	0.5	42	399	330	14.05	30	0.22
OREAS 45f			0.5	10.50	6	220	1.2	3	0.10	0.6	45	434	348	14.45	30	0.22
OREAS 45f			<0.5	9.85	8	210	1.2	4	0.09	0.5	43	395	336	13.85	30	0.22
OREAS 45f			0.5	10.25	7	210	1.1	3	0.09	0.5	43	407	343	14.20	30	0.22
Target Range - Lower Bound			<0.5	9.13	<5	170	<0.5	<2	0.07	<0.5	39	374	337	13.20	<10	0.19
Upper Bound			1.1	11.20	20	250	2.3	4	0.12	1.0	50	460	389	16.15	50	0.26
OREAS 602b			>100	5.60	924	210	1.7	58	0.71	5.2	5	35	5000	2.52	20	1.83
OREAS 602b			>100	5.28	864	130	1.6	56	0.63	4.8	5	33	4680	2.37	20	1.74
OREAS 602b			>100	5.45	925	380	1.7	57	0.70	5.2	5	34	5050	2.55	30	1.83
OREAS 602b			>100	5.67	908	120	1.7	58	0.67	5.1	6	34	4970	2.53	30	1.83
OREAS 602b			>100	5.55	939	1190	1.8	59	0.70	5.3	3	36	5090	2.55	30	1.83
Target Range - Lower Bound			106.5	4.83	782	380	0.6	50	0.58	3.6	3	29	4610	2.26	<10	1.59
Upper Bound			100.0	5.93	966	540	2.8	66	0.73	6.1	7	38	5310	2.78	50	1.97

Comments: Samples Submitted by: Elias Mtibilo

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ZIP CODE: 21514
JEDDAH 21514

Finalized Date: 23-JAN-2025
Account: SGSKSB

Project: KSB_R_BAT_001

QC CERTIFICATE OF ANALYSIS JD25003256

Sample Description	Method	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
	Analyte	La	Li	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th	Ti
	Units	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOD	10	10	0.01	5	1	0.01	1	10	2	0.01	5	1	1	20	0.01
STANDARDS																
EMOG-17		20	30	0.95	733	1070	1.08	7560	790	7250	3.26	796	8	197	<20	0.32
EMOG-17		20	30	0.94	741	1060	1.09	7550	810	7360	3.31	799	8	193	<20	0.32
EMOG-17		20	30	0.90	700	1070	1.04	7220	790	7010	3.20	776	8	193	<20	0.31
EMOG-17		20	30	0.94	730	1075	1.09	7570	790	7320	3.30	801	8	196	<20	0.32
EMOG-17		20	30	0.90	713	1030	1.03	7340	780	6890	3.20	769	7	199	<20	0.31
Target Range - Lower Bound		<10	<10	0.86	670	996	0.99	6820	700	6570	2.91	638	6	184	<20	0.28
Upper Bound		40	50	1.08	830	1220	1.23	8330	880	8030	3.57	874	10	227	50	0.36
GBM321-8		50	10	1.85	815	61	2.15	2260	1010	2130	0.36	5	17	284	<20	0.68
GBM321-8		50	10	1.91	823	58	2.17	2310	1040	2160	0.38	<5	18	305	<20	0.68
GBM321-8		50	10	1.77	766	58	2.08	2110	980	2020	0.35	<5	17	280	<20	0.66
GBM321-8		50	10	1.95	865	64	2.27	2420	1040	2220	0.37	<5	18	314	<20	0.71
Target Range - Lower Bound		30	<10	1.61	715	57	1.93	2020	880	1840	0.31	<5	14	258	<20	0.59
Upper Bound		80	30	1.99	885	72	2.38	2480	1100	2260	0.41	12	20	317	60	0.74
OREAS 242																
OREAS 242																
OREAS 242																
OREAS 242																
OREAS 242																
OREAS 242																
Target Range - Lower Bound																
Upper Bound																
OREAS 45f		20	20	0.21	210	2	0.06	245	280	17	0.03	6	34	28	<20	1.04
OREAS 45f		20	20	0.21	220	2	0.06	256	300	14	0.03	7	35	27	<20	1.08
OREAS 45f		10	20	0.20	209	1	0.06	245	280	13	0.03	6	34	28	<20	1.01
OREAS 45f		20	20	0.21	215	1	0.06	251	280	17	0.03	<5	34	28	<20	1.06
Target Range - Lower Bound		<10	<10	0.20	193	<1	0.04	229	260	10	<0.01	<5	32	22	<20	0.96
Upper Bound		40	40	0.26	247	4	0.09	283	340	19	0.05	11	41	29	50	1.20
OREAS 602b		20	20	0.07	195	8	1.40	16	280	512	2.19	113	3	245	<20	0.16
OREAS 602b		20	20	0.07	179	7	1.32	13	260	476	2.05	106	3	235	<20	0.15
OREAS 602b		20	20	0.07	193	8	1.40	15	280	516	2.18	113	3	258	<20	0.16
OREAS 602b		20	20	0.07	191	7	1.43	15	280	507	2.17	111	3	249	<20	0.16
OREAS 602b		20	20	0.07	194	8	1.36	12	280	511	2.21	113	3	262	<20	0.16
Target Range - Lower Bound		<10	<10	0.05	164	5	1.25	11	240	442	1.91	84	<1	233	<20	0.12
Upper Bound		40	40	0.10	212	10	1.55	17	320	544	2.35	126	6	287	50	0.18

Comments: Samples Submitted by: Elias Mtibilo

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JEDDAH 21514

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Project: KSB_R_BAT_001

QC CERTIFICATE OF ANALYSIS JD25003256

Sample Description	Method	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
	Analyte	Tl	U	V	W	Zn
	Units	ppm	ppm	ppm	ppm	ppm
	LOD	10	10	1	10	2
STANDARDS						
EMOG-17		<10	<10	70	<10	7310
EMOG-17		<10	<10	70	<10	7220
EMOG-17		<10	<10	67	<10	7480
EMOG-17		<10	<10	69	<10	7300
EMOG-17		<10	<10	67	<10	6990
Target Range - Lower Bound		<10	<10	67	<10	6800
Upper Bound		20	20	84	20	8320
GBM321-8		<10	<10	136	<10	1075
GBM321-8		<10	<10	141	<10	1110
GBM321-8		<10	<10	133	<10	1045
GBM321-8		<10	<10	146	<10	1145
Target Range - Lower Bound		<10	<10	123	<10	961
Upper Bound		20	20	153	20	1180
OREAS 242						
OREAS 242						
OREAS 242						
OREAS 242						
OREAS 242						
OREAS 242						
Target Range - Lower Bound						
Upper Bound						
OREAS 45f		<10	<10	234	<10	33
OREAS 45f		<10	<10	244	<10	34
OREAS 45f		<10	<10	233	<10	32
OREAS 45f		<10	<10	239	<10	34
Target Range - Lower Bound		<10	<10	227	<10	30
Upper Bound		20	20	279	20	41
OREAS 602b		<10	<10	15	10	788
OREAS 602b		<10	<10	14	10	744
OREAS 602b		<10	<10	15	10	798
OREAS 602b		<10	<10	15	10	779
OREAS 602b		<10	<10	15	10	797
Target Range - Lower Bound		<10	<10	13	<10	686
Upper Bound		20	20	19	40	842

Comments: Samples Submitted by: Elias Mtibilo

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QC CERTIFICATE OF ANALYSIS JD25003256

Sample Description	Method	Au-AA25	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
	Analyte	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%
	LOD	0.01	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01	10	0.01
STANDARDS																
OREAS 905b		0.37														
OREAS 905b		0.37														
OREAS 905b		0.38														
OREAS 905b		0.40														
Target Range - Lower Bound		0.35														
Upper Bound		0.41														
OREAS L11b		0.31														
OREAS L11b		0.33														
Target Range - Lower Bound		0.28														
Upper Bound		0.34														
SQ87		29.9														
SQ87		31.9														
Target Range - Lower Bound		29.0														
Upper Bound		32.7														
BLANKS																
BLANK		0.01														
BLANK		0.02														
BLANK		<0.01														
BLANK		0.02														
BLANK		<0.01														
BLANK		<0.01														
BLANK		<0.01														
BLANK		<0.01														
Target Range - Lower Bound		<0.01														
Upper Bound		0.02														
BLANK			<0.5	<0.01	<5	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01	<10	<0.01
BLANK			<0.5	<0.01	<5	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01	<10	<0.01
BLANK			<0.5	<0.01	<5	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01	<10	<0.01
BLANK			<0.5	<0.01	<5	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01	<10	<0.01
BLANK			<0.5	<0.01	<5	<10	<0.5	<2	<0.01	<0.5	<1	2	<1	<0.01	<10	<0.01
BLANK			<0.5	<0.01	<5	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01	<10	<0.01
BLANK			<0.5	<0.01	<5	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01	<10	<0.01
BLANK			<0.5	<0.01	<5	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01	<10	<0.01
BLANK			<0.5	<0.01	<5	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01	<10	0.01
BLANK			<0.5	<0.01	<5	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01	<10	<0.01
Target Range - Lower Bound			<0.5	<0.01	<5	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01	<10	<0.01
Upper Bound			1.0	0.02	10	20	1.0	4	0.02	1.0	2	2	2	0.02	20	0.02

Comments: Samples Submitted by: Elias Mtibilo

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QC CERTIFICATE OF ANALYSIS JD25003256

Sample Description	Method	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
	Analyte	La	Li	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th	Ti
	Units	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOD	10	10	0.01	5	1	0.01	1	10	2	0.01	5	1	1	20	0.01
STANDARDS																
OREAS 905b																
OREAS 905b																
OREAS 905b																
OREAS 905b																
Target Range - Lower Bound																
Upper Bound																
OREAS L11b																
OREAS L11b																
Target Range - Lower Bound																
Upper Bound																
SQ87																
SQ87																
Target Range - Lower Bound																
Upper Bound																
BLANKS																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK		<10	<10	<0.01	<5	<1	<0.01	<1	<10	<2	<0.01	<5	<1	<1	<20	<0.01
BLANK		<10	<10	<0.01	<5	<1	<0.01	<1	<10	<2	<0.01	<5	<1	<1	<20	<0.01
BLANK		<10	<10	<0.01	<5	<1	<0.01	2	<10	<2	<0.01	<5	<1	<1	<20	<0.01
BLANK		<10	<10	<0.01	<5	<1	<0.01	<1	<10	<2	<0.01	<5	<1	<1	<20	<0.01
BLANK		<10	<10	<0.01	<5	<1	<0.01	1	<10	<2	<0.01	<5	<1	<1	<20	<0.01
BLANK		<10	<10	<0.01	<5	<1	<0.01	<1	<10	<2	<0.01	<5	<1	<1	<20	<0.01
BLANK		<10	<10	<0.01	<5	<1	<0.01	<1	<10	<2	<0.01	<5	<1	<1	<20	<0.01
BLANK		<10	<10	<0.01	<5	<1	<0.01	<1	<10	<2	<0.01	<5	<1	<1	<20	<0.01
BLANK		<10	<10	<0.01	<5	1	<0.01	<1	<10	<2	<0.01	<5	<1	<1	<20	<0.01
BLANK		<10	<10	<0.01	<5	2	<0.01	<1	<10	<2	<0.01	<5	<1	<1	<20	<0.01
Target Range - Lower Bound		<10	<10	<0.01	<5	<1	<0.01	<1	<10	<2	<0.01	<5	<1	<1	<20	<0.01
Upper Bound		20	20	0.02	10	2	0.02	2	20	4	0.02	10	2	2	40	0.02

Comments: Samples Submitted by: Elias Mtibilo

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Finalized Date: 23-JAN-2025
Account: SGSKSB

Project: KSB_R_BAT_001

QC CERTIFICATE OF ANALYSIS JD25003256

Sample Description	Method / Analyte / Units / LOD	ME-ICP61 Tl ppm 10	ME-ICP61 U ppm 10	ME-ICP61 V ppm 1	ME-ICP61 W ppm 10	ME-ICP61 Zn ppm 2
		STANDARDS				
OREAS 905b						
OREAS 905b						
OREAS 905b						
OREAS 905b						
Target Range - Lower Bound						
Upper Bound						
OREAS L11b						
OREAS L11b						
Target Range - Lower Bound						
Upper Bound						
SQ87						
SQ87						
Target Range - Lower Bound						
Upper Bound						
		BLANKS				
BLANK						
BLANK						
BLANK						
BLANK						
BLANK						
BLANK						
BLANK						
BLANK						
Target Range - Lower Bound						
Upper Bound						
BLANK		<10	<10	<1	<10	<2
BLANK		<10	<10	<1	<10	<2
BLANK		<10	<10	<1	<10	<2
BLANK		<10	<10	<1	<10	<2
BLANK		<10	<10	<1	<10	<2
BLANK		<10	<10	<1	<10	<2
BLANK		<10	<10	<1	<10	<2
BLANK		<10	<10	<1	<10	<2
BLANK		<10	<10	<1	<10	<2
BLANK		<10	<10	<1	<10	<2
Target Range - Lower Bound		<10	<10	<1	<10	<2
Upper Bound		20	20	2	20	4

Comments: Samples Submitted by: Elias Mtibilo

***** 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: 23-JAN-2025
Account: SGSKSB

Project: KSB_R_BAT_001

QC CERTIFICATE OF ANALYSIS JD25003256

Sample Description / Method / Analyte / Units / LOD	Au-AA25 Au ppm 0.01	ME-ICP61 Ag ppm 0.5	ME-ICP61 Al % 0.01	ME-ICP61 As ppm 5	ME-ICP61 Ba ppm 10	ME-ICP61 Be ppm 0.5	ME-ICP61 Bi ppm 2	ME-ICP61 Ca % 0.01	ME-ICP61 Cd ppm 0.5	ME-ICP61 Co ppm 1	ME-ICP61 Cr ppm 1	ME-ICP61 Cu ppm 1	ME-ICP61 Fe % 0.01	ME-ICP61 Ga ppm 10	ME-ICP61 K % 0.01
DUPLICATES															
ORIGINAL		0.6	7.96	<5	680	2.5	<2	2.00	<0.5	12	46	43	3.01	20	2.15
DUP		<0.5	7.44	<5	630	2.3	<2	1.86	<0.5	10	44	38	2.82	20	1.99
Target Range - Lower Bound		<0.5	7.31	<5	600	1.8	<2	1.82	<0.5	9	42	38	2.76	<10	1.96
Upper Bound		1.0	8.10	10	710	3.0	4	2.04	1.0	13	48	43	3.07	30	2.18
ORIGINAL		0.5	8.48	<5	570	1.9	<2	2.58	0.5	19	71	57	4.52	20	2.42
DUP		0.5	8.58	<5	570	1.9	<2	2.55	0.5	18	70	58	4.54	20	2.38
Target Range - Lower Bound		<0.5	8.09	<5	520	1.3	<2	2.43	<0.5	17	66	54	4.29	<10	2.27
Upper Bound		1.0	8.97	10	620	2.5	4	2.70	1.0	20	75	61	4.77	30	2.53
ORIGINAL		0.7	4.37	<5	600	0.7	<2	0.06	0.6	1	6	107	1.45	10	2.82
DUP		0.8	4.53	<5	600	0.7	<2	0.07	0.7	1	9	109	1.52	10	2.93
Target Range - Lower Bound		<0.5	4.22	<5	550	<0.5	<2	0.05	<0.5	<1	6	103	1.40	<10	2.72
Upper Bound		1.0	4.68	10	660	1.0	4	0.08	1.0	2	9	113	1.57	20	3.03
ORIGINAL		0.8	4.57	<5	840	0.5	<2	0.22	1.4	2	17	117	2.06	10	2.27
DUP		0.7	4.48	<5	820	0.5	<2	0.21	1.4	2	15	116	2.01	10	2.24
Target Range - Lower Bound		<0.5	4.29	<5	760	<0.5	<2	0.19	0.8	<1	14	111	1.92	<10	2.13
Upper Bound		1.0	4.76	10	900	1.0	4	0.24	2.0	3	18	122	2.15	20	2.38
ORIGINAL	0.03														
DUP	0.04														
Target Range - Lower Bound	0.02														
Upper Bound	0.05														
ORIGINAL	<0.01														
DUP	0.01														
Target Range - Lower Bound	<0.01														
Upper Bound	0.02														
KSBTR0014		<0.5	8.59	<5	800	1.3	<2	5.43	0.6	18	17	13	6.47	20	1.12
DUP		<0.5	8.50	5	790	1.2	<2	5.36	0.6	19	17	15	6.38	20	1.11
Target Range - Lower Bound		<0.5	8.11	<5	730	0.7	<2	5.12	<0.5	17	15	13	6.09	<10	1.05
Upper Bound		1.0	8.98	10	860	1.8	4	5.67	1.0	20	19	15	6.76	30	1.18
KSBTR0019		<0.5	8.08	12	1460	1.3	<2	6.22	0.7	21	18	7	5.90	20	1.42
DUP		<0.5	7.91	12	1440	1.3	<2	6.14	0.6	21	18	7	5.80	20	1.39
Target Range - Lower Bound		<0.5	7.59	6	1330	0.7	<2	5.86	<0.5	19	16	6	5.55	<10	1.32
Upper Bound		1.0	8.40	18	1570	1.9	4	6.50	1.0	23	20	8	6.15	30	1.49

Comments: Samples Submitted by: Elias Mtibilo

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

Finalized Date: 23-JAN-2025
Account: SGSKSB

Project: KSB_R_BAT_001

QC CERTIFICATE OF ANALYSIS JD25003256

Sample Description / Method / Analyte / Units / LOD	ME-ICP61 La ppm 10	ME-ICP61 Li ppm 10	ME-ICP61 Mg % 0.01	ME-ICP61 Mn ppm 5	ME-ICP61 Mo ppm 1	ME-ICP61 Na % 0.01	ME-ICP61 Ni ppm 1	ME-ICP61 P ppm 10	ME-ICP61 Pb ppm 2	ME-ICP61 S % 0.01	ME-ICP61 Sb ppm 5	ME-ICP61 Sc ppm 1	ME-ICP61 Sr ppm 1	ME-ICP61 Th ppm 20	ME-ICP61 Ti % 0.01
DUPLICATES															
ORIGINAL	20	30	1.15	460	3	3.02	23	710	37	0.31	<5	10	500	<20	0.31
DUP	20	20	1.07	435	2	2.82	18	660	32	0.29	<5	9	469	<20	0.29
Target Range - Lower Bound	<10	<10	1.04	420	<1	2.76	18	640	31	0.28	<5	8	459	<20	0.28
Upper Bound	30	40	1.18	475	4	3.08	23	730	38	0.33	10	11	510	40	0.33
ORIGINAL	20	30	1.65	737	3	2.63	35	820	25	0.76	<5	16	355	<20	0.42
DUP	10	30	1.65	715	4	2.65	34	800	26	0.79	<5	16	354	<20	0.42
Target Range - Lower Bound	<10	20	1.56	685	2	2.50	32	760	22	0.73	<5	14	336	<20	0.39
Upper Bound	20	40	1.74	767	5	2.78	37	860	29	0.82	10	18	373	40	0.45
ORIGINAL	10	<10	1.06	525	3	<0.01	<1	180	6	<0.01	<5	6	9	<20	0.11
DUP	10	<10	1.09	546	3	<0.01	<1	180	6	<0.01	<5	6	9	<20	0.11
Target Range - Lower Bound	<10	<10	1.01	504	2	<0.01	<1	160	4	<0.01	<5	5	8	<20	0.09
Upper Bound	20	20	1.14	567	4	0.02	2	200	8	0.02	10	7	10	40	0.13
ORIGINAL	10	10	1.60	776	17	0.92	<1	240	8	0.43	<5	8	22	<20	0.17
DUP	10	10	1.56	753	16	0.90	2	230	7	0.42	<5	7	22	<20	0.16
Target Range - Lower Bound	<10	<10	1.49	721	15	0.85	<1	210	5	0.39	<5	6	20	<20	0.15
Upper Bound	20	20	1.67	808	18	0.97	2	260	10	0.46	10	9	24	40	0.18
ORIGINAL															
DUP															
Target Range - Lower Bound															
Upper Bound															
ORIGINAL															
DUP															
Target Range - Lower Bound															
Upper Bound															
KSBTR0014	30	10	1.82	1130	1	3.44	11	2490	12	0.47	<5	21	896	<20	0.89
DUP	30	10	1.80	1120	1	3.38	12	2490	12	0.47	5	21	884	<20	0.87
Target Range - Lower Bound	20	<10	1.71	1065	<1	3.23	10	2360	9	0.44	<5	19	845	<20	0.83
Upper Bound	40	20	1.91	1185	2	3.59	13	2620	15	0.50	10	23	936	40	0.93
KSBTR0019	20	10	1.77	1045	1	3.01	17	1940	10	0.03	<5	19	540	<20	0.76
DUP	20	10	1.73	1030	<1	2.94	14	1930	10	0.03	<5	19	530	<20	0.74
Target Range - Lower Bound	<10	<10	1.65	981	<1	2.82	14	1830	8	0.02	<5	17	507	<20	0.70
Upper Bound	30	20	1.85	1095	2	3.13	17	2040	13	0.04	10	21	563	40	0.80

Comments: Samples Submitted by: Elias Mtibilo

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

Finalized Date: 23-JAN-2025
Account: SGSKSB

Project: KSB_R_BAT_001

QC CERTIFICATE OF ANALYSIS JD25003256

Sample Description / Method / Analyte / Units / LOD	ME-ICP61 Tl ppm 10	ME-ICP61 U ppm 10	ME-ICP61 V ppm 1	ME-ICP61 W ppm 10	ME-ICP61 Zn ppm 2
DUPLICATES					
ORIGINAL	<10	<10	76	<10	104
DUP	<10	<10	71	<10	92
Target Range - Lower Bound	<10	<10	69	<10	91
Upper Bound	20	20	78	20	105
ORIGINAL	<10	<10	118	<10	113
DUP	<10	<10	116	<10	110
Target Range - Lower Bound	<10	<10	110	<10	104
Upper Bound	20	20	124	20	119
ORIGINAL	<10	<10	25	<10	638
DUP	<10	<10	26	<10	663
Target Range - Lower Bound	<10	<10	23	<10	616
Upper Bound	20	20	28	20	685
ORIGINAL	<10	<10	29	<10	358
DUP	<10	<10	28	<10	349
Target Range - Lower Bound	<10	<10	26	<10	334
Upper Bound	20	20	31	20	373
ORIGINAL					
DUP					
Target Range - Lower Bound					
Upper Bound					
ORIGINAL					
DUP					
Target Range - Lower Bound					
Upper Bound					
KSBTR0014	<10	<10	223	<10	91
DUP	<10	<10	217	<10	90
Target Range - Lower Bound	<10	<10	208	<10	84
Upper Bound	20	20	232	20	97
KSBTR0019	<10	<10	216	<10	115
DUP	<10	<10	212	<10	113
Target Range - Lower Bound	<10	<10	202	<10	106
Upper Bound	20	20	226	20	122

Comments: Samples Submitted by: Elias Mtibilo

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QC CERTIFICATE OF ANALYSIS JD25003256

Sample Description / Method / Analyte / Units / LOD	Au-AA25 Au ppm 0.01	ME-ICP61 Ag ppm 0.5	ME-ICP61 Al % 0.01	ME-ICP61 As ppm 5	ME-ICP61 Ba ppm 10	ME-ICP61 Be ppm 0.5	ME-ICP61 Bi ppm 2	ME-ICP61 Ca % 0.01	ME-ICP61 Cd ppm 0.5	ME-ICP61 Co ppm 1	ME-ICP61 Cr ppm 1	ME-ICP61 Cu ppm 1	ME-ICP61 Fe % 0.01	ME-ICP61 Ga ppm 10	ME-ICP61 K % 0.01
DUPLICATES															
KSBTR0031	0.21														
DUP	0.21														
Target Range - Lower Bound	0.19														
Upper Bound	0.23														
KSBTR0049		0.6	0.26	6	10	<0.5	<2	1.12	<0.5	1	23	21	0.53	<10	0.05
DUP		0.5	0.27	6	10	<0.5	<2	1.16	<0.5	<1	23	21	0.55	<10	0.05
Target Range - Lower Bound		<0.5	0.24	<5	<10	<0.5	<2	1.07	<0.5	<1	21	19	0.50	<10	0.04
Upper Bound		1.0	0.29	10	20	1.0	4	1.21	1.0	2	25	23	0.58	20	0.06
KSBTR0051	0.48														
DUP	0.55														
Target Range - Lower Bound	0.48														
Upper Bound	0.55														
KSBTR0054		<0.5	8.20	13	820	1.2	<2	4.31	<0.5	22	75	37	5.12	20	1.75
DUP		<0.5	8.84	14	870	1.3	<2	4.54	0.5	23	80	40	5.45	20	1.88
Target Range - Lower Bound		<0.5	8.08	8	770	0.7	<2	4.19	<0.5	20	73	36	5.01	<10	1.71
Upper Bound		1.0	8.96	19	920	1.8	4	4.66	1.0	25	82	41	5.56	30	1.92
KSBTR0071	0.13														
DUP	0.12														
Target Range - Lower Bound	0.11														
Upper Bound	0.14														
KSBTR0084		0.6	7.92	8	990	1.4	<2	3.14	0.5	18	41	41	4.95	20	1.97
DUP		0.5	9.02	8	1080	1.5	<2	3.39	0.5	20	44	47	5.42	20	2.16
Target Range - Lower Bound		<0.5	8.04	<5	950	0.9	<2	3.09	<0.5	17	39	41	4.92	<10	1.95
Upper Bound		1.0	8.90	10	1120	2.0	4	3.44	1.0	21	46	47	5.45	30	2.18
KSBTR0089		0.8	0.26	<5	30	<0.5	<2	0.26	<0.5	1	39	85	0.61	<10	0.03
DUP		0.5	0.26	<5	30	<0.5	<2	0.26	<0.5	1	38	86	0.62	<10	0.03
Target Range - Lower Bound		<0.5	0.24	<5	20	<0.5	<2	0.24	<0.5	<1	36	82	0.57	<10	0.02
Upper Bound		1.0	0.28	10	40	1.0	4	0.28	1.0	2	41	89	0.66	20	0.04
KSBTR0109	0.01														
DUP	0.01														
Target Range - Lower Bound	<0.01														
Upper Bound	0.02														

Comments: Samples Submitted by: Elias Mtibilo

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Project: KSB_R_BAT_001

QC CERTIFICATE OF ANALYSIS JD25003256

Sample Description / Method / Analyte / Units / LOD	ME-ICP61 La ppm 10	ME-ICP61 Li ppm 10	ME-ICP61 Mg % 0.01	ME-ICP61 Mn ppm 5	ME-ICP61 Mo ppm 1	ME-ICP61 Na % 0.01	ME-ICP61 Ni ppm 1	ME-ICP61 P ppm 10	ME-ICP61 Pb ppm 2	ME-ICP61 S % 0.01	ME-ICP61 Sb ppm 5	ME-ICP61 Sc ppm 1	ME-ICP61 Sr ppm 1	ME-ICP61 Th ppm 20	ME-ICP61 Ti % 0.01
DUPLICATES															
KSBTR0031 DUP															
Target Range - Lower Bound															
Upper Bound															
KSBTR0049	<10	<10	0.07	56	2	0.02	5	30	31	0.01	<5	1	15	<20	0.02
DUP	<10	<10	0.08	58	1	0.02	7	30	32	0.01	<5	1	16	<20	0.02
Target Range - Lower Bound	<10	<10	0.06	49	<1	<0.01	5	20	28	<0.01	<5	<1	14	<20	<0.01
Upper Bound	20	20	0.09	65	2	0.03	7	40	35	0.02	10	2	17	40	0.03
KSBTR0051 DUP															
Target Range - Lower Bound															
Upper Bound															
KSBTR0054	20	10	2.12	808	1	3.14	51	1440	39	0.05	<5	19	381	<20	0.60
DUP	20	10	2.25	855	<1	3.34	54	1520	44	0.06	<5	20	404	<20	0.63
Target Range - Lower Bound	<10	<10	2.07	785	<1	3.07	49	1400	37	0.04	<5	18	372	<20	0.57
Upper Bound	30	20	2.30	878	2	3.41	56	1560	46	0.07	10	21	413	40	0.66
KSBTR0071 DUP															
Target Range - Lower Bound															
Upper Bound															
KSBTR0084	20	10	1.54	910	1	2.79	23	1660	55	0.30	<5	18	592	<20	0.64
DUP	30	10	1.69	989	1	3.04	28	1740	58	0.32	<5	20	657	<20	0.71
Target Range - Lower Bound	<10	<10	1.52	897	<1	2.76	23	1610	52	0.28	<5	17	592	<20	0.63
Upper Bound	40	20	1.71	1000	2	3.07	28	1800	61	0.34	10	21	657	40	0.72
KSBTR0089	<10	<10	0.13	138	3	0.06	<1	40	115	0.02	<5	1	10	<20	0.01
DUP	<10	<10	0.13	141	3	0.06	<1	40	119	0.02	<5	1	10	<20	0.01
Target Range - Lower Bound	<10	<10	0.11	128	2	0.05	<1	30	109	<0.01	<5	<1	9	<20	<0.01
Upper Bound	20	20	0.15	151	4	0.07	2	50	125	0.03	10	2	12	40	0.02
KSBTR0109 DUP															
Target Range - Lower Bound															
Upper Bound															

Comments: Samples Submitted by: Elias Mtibilo

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QC CERTIFICATE OF ANALYSIS JD25003256

Sample Description / Method / Analyte / Units / LOD	ME-ICP61 Tl ppm 10	ME-ICP61 U ppm 10	ME-ICP61 V ppm 1	ME-ICP61 W ppm 10	ME-ICP61 Zn ppm 2
DUPLICATES					
KSBTR0031 DUP					
Target Range - Lower Bound					
Upper Bound					
KSBTR0049	<10	<10	8	<10	3
DUP	<10	<10	8	<10	4
Target Range - Lower Bound	<10	<10	7	<10	<2
Upper Bound	20	20	9	20	4
KSBTR0051 DUP					
Target Range - Lower Bound					
Upper Bound					
KSBTR0054	<10	<10	186	<10	75
DUP	<10	<10	194	<10	79
Target Range - Lower Bound	<10	<10	180	<10	71
Upper Bound	20	20	201	20	83
KSBTR0071 DUP					
Target Range - Lower Bound					
Upper Bound					
KSBTR0084	<10	<10	161	<10	78
DUP	<10	<10	171	<10	86
Target Range - Lower Bound	<10	<10	157	<10	76
Upper Bound	20	20	175	20	88
KSBTR0089	<10	<10	22	<10	7
DUP	<10	<10	23	<10	7
Target Range - Lower Bound	<10	<10	20	<10	5
Upper Bound	20	20	25	20	9
KSBTR0109 DUP					
Target Range - Lower Bound					
Upper Bound					

Comments: Samples Submitted by: Elias Mtibilo

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QC CERTIFICATE OF ANALYSIS JD25003256

Sample Description / Method / Analyte / Units / LOD	Au-AA25 Au ppm 0.01	ME-ICP61 Ag ppm 0.5	ME-ICP61 Al % 0.01	ME-ICP61 As ppm 5	ME-ICP61 Ba ppm 10	ME-ICP61 Be ppm 0.5	ME-ICP61 Bi ppm 2	ME-ICP61 Ca % 0.01	ME-ICP61 Cd ppm 0.5	ME-ICP61 Co ppm 1	ME-ICP61 Cr ppm 1	ME-ICP61 Cu ppm 1	ME-ICP61 Fe % 0.01	ME-ICP61 Ga ppm 10	ME-ICP61 K % 0.01
DUPLICATES															
KSBTR0119		<0.5	8.36	10	290	1.3	2	3.92	0.5	19	25	23	5.20	20	0.31
DUP		0.5	8.45	10	290	1.3	<2	3.90	<0.5	19	25	22	5.19	20	0.31
Target Range - Lower Bound		<0.5	7.97	<5	260	0.7	<2	3.70	<0.5	17	23	21	4.93	<10	0.28
Upper Bound		1.0	8.84	16	320	1.9	4	4.12	1.0	21	27	24	5.46	30	0.34
KSBTR0124		<0.5	5.67	13	760	1.1	<2	2.59	<0.5	3	6	2	1.52	10	2.04
DUP		<0.5	5.74	15	750	1.1	<2	2.57	<0.5	3	6	2	1.50	10	2.01
Target Range - Lower Bound		<0.5	5.41	8	690	<0.5	<2	2.44	<0.5	2	5	<1	1.42	<10	1.91
Upper Bound		1.0	6.00	20	820	1.7	4	2.72	1.0	4	7	3	1.60	20	2.14
KSBTR0129	0.11														
DUP	0.09														
Target Range - Lower Bound	0.09														
Upper Bound	0.12														
KSBTR0149	0.24														
DUP	0.24														
Target Range - Lower Bound	0.22														
Upper Bound	0.26														
KSBTR0154		<0.5	0.96	1180	200	0.5	<2	0.63	<0.5	1	34	3	0.87	<10	0.43
DUP		<0.5	0.92	1125	200	0.5	<2	0.60	<0.5	1	40	5	0.82	<10	0.42
Target Range - Lower Bound		<0.5	0.88	1090	180	<0.5	<2	0.57	<0.5	<1	34	3	0.79	<10	0.39
Upper Bound		1.0	1.00	1215	230	1.0	4	0.66	1.0	2	40	5	0.90	20	0.46
KSBTR0159		<0.5	5.78	27	890	1.2	<2	2.92	<0.5	1	4	3	1.54	10	2.57
DUP		<0.5	6.25	27	850	1.1	<2	2.82	<0.5	2	4	4	1.46	10	2.45
Target Range - Lower Bound		<0.5	5.70	21	790	0.6	<2	2.72	<0.5	<1	3	2	1.42	<10	2.37
Upper Bound		1.0	6.33	33	950	1.7	4	3.02	1.0	2	5	5	1.59	20	2.65
KSBTR0187	0.15														
DUP	0.14														
Target Range - Lower Bound	0.13														
Upper Bound	0.16														
KSBTR0189		<0.5	6.44	23	800	1.5	<2	2.87	<0.5	3	10	3	1.87	20	2.37
DUP		0.5	6.91	24	830	1.5	<2	2.99	<0.5	4	10	3	1.96	20	2.46
Target Range - Lower Bound		<0.5	6.33	17	740	0.9	<2	2.77	<0.5	2	9	2	1.81	<10	2.28
Upper Bound		1.0	7.02	30	890	2.1	4	3.09	1.0	5	12	4	2.02	30	2.55

Comments: Samples Submitted by: Elias Mtibilo

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

Australian Laboratory Services Arabia Co. Ltd.
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Jeddah 21254
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To: SAUDI GEOLOGICAL SURVEY
JEDDAH -AHMED BIN MOHAMMED AL ASHAB
ZIP CODE: 21514
JEDDAH 21514

Finalized Date: 23-JAN-2025
Account: SGSKSB

Project: KSB_R_BAT_001

QC CERTIFICATE OF ANALYSIS JD25003256

Sample Description	Method	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
	Analyte	La	Li	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th	Ti
	Units	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOD	10	10	0.01	5	1	0.01	1	10	2	0.01	5	1	1	20	0.01
DUPLICATES																
KSBTR0119		20	10	1.76	779	<1	3.84	14	2380	22	0.05	<5	19	763	<20	0.69
DUP		30	10	1.76	764	<1	3.86	16	2370	22	0.05	<5	19	758	<20	0.67
Target Range - Lower Bound		<10	<10	1.66	728	<1	3.65	13	2250	19	0.04	<5	17	721	<20	0.64
Upper Bound		40	20	1.86	815	2	4.05	17	2500	25	0.06	10	21	800	40	0.72
KSBTR0124		10	10	0.20	280	<1	2.52	<1	150	7	0.01	<5	4	203	<20	0.13
DUP		10	10	0.20	275	<1	2.48	<1	150	7	0.01	<5	4	203	<20	0.13
Target Range - Lower Bound		<10	<10	0.18	259	<1	2.37	<1	130	5	<0.01	<5	3	192	<20	0.11
Upper Bound		20	20	0.22	296	2	2.64	2	170	9	0.02	10	5	214	40	0.15
KSBTR0129																
DUP																
Target Range - Lower Bound																
Upper Bound																
KSBTR0149																
DUP																
Target Range - Lower Bound																
Upper Bound																
KSBTR0154		10	<10	0.08	72	4	0.08	<1	110	14	0.04	<5	1	55	<20	0.10
DUP		10	<10	0.08	67	4	0.07	<1	100	13	0.04	<5	1	53	<20	0.10
Target Range - Lower Bound		<10	<10	0.07	61	3	0.06	<1	90	11	0.03	<5	<1	50	<20	0.09
Upper Bound		20	20	0.09	78	5	0.09	2	120	16	0.05	10	2	58	40	0.12
KSBTR0159		10	<10	0.19	411	1	2.80	<1	180	5	0.08	<5	4	710	<20	0.14
DUP		20	<10	0.21	383	1	2.64	3	180	5	0.07	<5	4	687	<20	0.13
Target Range - Lower Bound		<10	<10	0.18	372	<1	2.57	<1	160	3	0.06	<5	3	663	<20	0.12
Upper Bound		20	20	0.22	422	2	2.87	3	200	7	0.09	10	5	734	40	0.15
KSBTR0187																
DUP																
Target Range - Lower Bound																
Upper Bound																
KSBTR0189		10	10	0.35	463	1	2.55	1	210	8	0.03	<5	5	236	<20	0.18
DUP		10	20	0.37	486	1	2.66	2	220	8	0.03	<5	6	247	<20	0.18
Target Range - Lower Bound		<10	<10	0.33	446	<1	2.46	<1	190	6	0.02	<5	4	228	<20	0.16
Upper Bound		20	20	0.39	503	2	2.75	2	240	10	0.04	10	7	255	40	0.20

Comments: Samples Submitted by: Elias Mtibilo

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ZIP CODE: 21514
JEDDAH 21514

Finalized Date: 23-JAN-2025
Account: SGSKSB

Project: KSB_R_BAT_001

QC CERTIFICATE OF ANALYSIS JD25003256

Sample Description / Method / Analyte / Units / LOD	ME-ICP61 Tl ppm 10	ME-ICP61 U ppm 10	ME-ICP61 V ppm 1	ME-ICP61 W ppm 10	ME-ICP61 Zn ppm 2
DUPLICATES					
KSBTR0119	<10	<10	162	<10	81
DUP	<10	<10	161	<10	80
Target Range - Lower Bound	<10	<10	152	<10	74
Upper Bound	20	20	171	20	87
KSBTR0124	<10	<10	21	<10	24
DUP	<10	<10	20	<10	24
Target Range - Lower Bound	<10	<10	18	<10	21
Upper Bound	20	20	23	20	27
KSBTR0129					
DUP					
Target Range - Lower Bound					
Upper Bound					
KSBTR0149					
DUP					
Target Range - Lower Bound					
Upper Bound					
KSBTR0154	<10	<10	28	<10	5
DUP	<10	<10	27	<10	13
Target Range - Lower Bound	<10	<10	25	<10	7
Upper Bound	20	20	30	20	11
KSBTR0159	<10	<10	29	<10	27
DUP	<10	<10	27	<10	26
Target Range - Lower Bound	<10	<10	26	<10	23
Upper Bound	20	20	30	20	30
KSBTR0187					
DUP					
Target Range - Lower Bound					
Upper Bound					
KSBTR0189	<10	<10	34	<10	48
DUP	<10	<10	35	<10	49
Target Range - Lower Bound	<10	<10	32	<10	44
Upper Bound	20	20	37	20	53

Comments: Samples Submitted by: Elias Mtibilo

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Project: KSB_R_BAT_001

QC CERTIFICATE OF ANALYSIS JD25003256

Sample Description / Method / Analyte / Units / LOD	Au-AA25 Au ppm 0.01	ME-ICP61 Ag ppm 0.5	ME-ICP61 Al % 0.01	ME-ICP61 As ppm 5	ME-ICP61 Ba ppm 10	ME-ICP61 Be ppm 0.5	ME-ICP61 Bi ppm 2	ME-ICP61 Ca % 0.01	ME-ICP61 Cd ppm 0.5	ME-ICP61 Co ppm 1	ME-ICP61 Cr ppm 1	ME-ICP61 Cu ppm 1	ME-ICP61 Fe % 0.01	ME-ICP61 Ga ppm 10	ME-ICP61 K % 0.01
DUPLICATES															
KSBTR0194		<0.5	6.50	8	870	1.2	<2	1.42	<0.5	3	9	4	1.36	10	2.63
DUP		<0.5	6.36	7	870	1.2	<2	1.41	<0.5	2	10	4	1.36	10	2.63
Target Range - Lower Bound		<0.5	6.10	<5	790	0.6	<2	1.33	<0.5	<1	8	3	1.28	<10	2.49
Upper Bound		1.0	6.76	10	950	1.8	4	1.50	1.0	4	11	5	1.44	20	2.77
KSBTR0224		<0.5	6.32	8	730	1.0	<2	1.38	<0.5	2	9	4	1.26	10	2.39
DUP		<0.5	6.44	7	740	1.1	<2	1.40	<0.5	2	9	8	1.28	10	2.45
Target Range - Lower Bound		<0.5	6.05	<5	670	<0.5	<2	1.31	<0.5	<1	8	5	1.20	<10	2.29
Upper Bound		1.0	6.71	10	800	1.6	4	1.47	1.0	3	10	7	1.34	20	2.55
KSBTR0227	0.06														
DUP	0.06														
Target Range - Lower Bound	0.05														
Upper Bound	0.07														
KSBSS0709		<0.5	0.11	<5	30	<0.5	<2	0.37	<0.5	<1	69	1	0.40	<10	0.04
DUP		<0.5	0.11	<5	30	<0.5	<2	0.38	<0.5	<1	82	<1	0.42	<10	0.04
Target Range - Lower Bound		<0.5	0.09	<5	20	<0.5	<2	0.35	<0.5	<1	71	<1	0.38	<10	0.03
Upper Bound		1.0	0.13	10	40	1.0	4	0.40	1.0	2	80	2	0.44	20	0.05
KSBSS0719		<0.5	0.27	<5	30	<0.5	<2	0.06	<0.5	<1	70	<1	0.45	<10	0.08
DUP		<0.5	0.25	5	70	<0.5	<2	0.06	<0.5	<1	62	<1	0.39	<10	0.08
Target Range - Lower Bound		<0.5	0.24	<5	40	<0.5	<2	0.05	<0.5	<1	62	<1	0.39	<10	0.07
Upper Bound		1.0	0.28	10	60	1.0	4	0.07	1.0	2	70	2	0.45	20	0.09
KSBSS0758	<0.01														
DUP	<0.01														
Target Range - Lower Bound	<0.01														
Upper Bound	0.02														
KSBSS0841	<0.01														
DUP	<0.01														
Target Range - Lower Bound	<0.01														
Upper Bound	0.02														
ORIGINAL	0.01														
DUP	<0.01														
Target Range - Lower Bound	<0.01														
Upper Bound	0.02														

Comments: Samples Submitted by: Elias Mtibilo

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JEDDAH -AHMED BIN MOHAMMED AL ASHAB
ZIP CODE: 21514
JEDDAH 21514

Finalized Date: 23-JAN-2025
Account: SGSKSB

Project: KSB_R_BAT_001

QC CERTIFICATE OF ANALYSIS JD25003256

Sample Description / Method / Analyte / Units / LOD	ME-ICP61 La ppm 10	ME-ICP61 Li ppm 10	ME-ICP61 Mg % 0.01	ME-ICP61 Mn ppm 5	ME-ICP61 Mo ppm 1	ME-ICP61 Na % 0.01	ME-ICP61 Ni ppm 1	ME-ICP61 P ppm 10	ME-ICP61 Pb ppm 2	ME-ICP61 S % 0.01	ME-ICP61 Sb ppm 5	ME-ICP61 Sc ppm 1	ME-ICP61 Sr ppm 1	ME-ICP61 Th ppm 20	ME-ICP61 Ti % 0.01
DUPLICATES															
KSBTR0194	20	<10	0.19	333	1	2.95	2	170	7	0.01	<5	4	140	<20	0.12
DUP	10	<10	0.19	331	1	2.95	<1	160	7	0.01	<5	4	138	<20	0.12
Target Range - Lower Bound	<10	<10	0.17	310	<1	2.79	<1	150	5	<0.01	<5	3	131	<20	0.10
Upper Bound	20	20	0.21	354	2	3.11	2	180	9	0.02	10	5	147	40	0.14
KSBTR0224	20	10	0.20	344	1	2.88	<1	160	10	0.01	<5	4	102	<20	0.12
DUP	20	10	0.21	353	1	2.93	1	170	12	0.01	<5	4	103	<20	0.12
Target Range - Lower Bound	<10	<10	0.18	326	<1	2.75	<1	150	8	<0.01	<5	3	96	<20	0.10
Upper Bound	30	20	0.23	371	2	3.06	2	180	14	0.02	10	5	109	40	0.14
KSBTR0227															
DUP															
Target Range - Lower Bound															
Upper Bound															
KSBSS0709	<10	<10	0.04	111	7	0.01	1	40	4	0.01	<5	<1	16	<20	0.01
DUP	<10	<10	0.04	115	8	0.01	1	40	3	0.01	<5	<1	16	<20	0.01
Target Range - Lower Bound	<10	<10	0.03	102	6	<0.01	<1	30	<2	<0.01	<5	<1	14	<20	<0.01
Upper Bound	20	20	0.05	124	9	0.02	2	50	4	0.02	10	2	18	40	0.02
KSBSS0719	<10	<10	0.03	61	7	0.12	<1	20	<2	0.01	<5	<1	3	<20	0.01
DUP	<10	<10	0.03	54	6	0.11	<1	20	<2	0.01	<5	<1	3	<20	0.01
Target Range - Lower Bound	<10	<10	0.02	50	5	0.10	<1	<10	<2	<0.01	<5	<1	2	<20	<0.01
Upper Bound	20	20	0.04	65	8	0.13	2	30	4	0.02	10	2	4	40	0.02
KSBSS0758															
DUP															
Target Range - Lower Bound															
Upper Bound															
KSBSS0841															
DUP															
Target Range - Lower Bound															
Upper Bound															
ORIGINAL															
DUP															
Target Range - Lower Bound															
Upper Bound															

Comments: Samples Submitted by: Elias Mtibilo

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Project: KSB_R_BAT_001

QC CERTIFICATE OF ANALYSIS JD25003256

Sample Description / Method / Analyte / Units / LOD	ME-ICP61 Tl ppm 10	ME-ICP61 U ppm 10	ME-ICP61 V ppm 1	ME-ICP61 W ppm 10	ME-ICP61 Zn ppm 2
DUPLICATES					
KSBTR0194	<10	<10	14	<10	31
DUP	<10	<10	15	<10	31
Target Range - Lower Bound	<10	<10	13	<10	27
Upper Bound	20	20	16	20	35
KSBTR0224	<10	<10	17	<10	30
DUP	<10	<10	18	<10	31
Target Range - Lower Bound	<10	<10	16	<10	27
Upper Bound	20	20	19	20	34
KSBTR0227					
DUP					
Target Range - Lower Bound					
Upper Bound					
KSBSS0709	<10	<10	4	<10	3
DUP	<10	<10	4	<10	2
Target Range - Lower Bound	<10	<10	3	<10	<2
Upper Bound	20	20	5	20	4
KSBSS0719	<10	<10	3	<10	2
DUP	<10	<10	3	<10	2
Target Range - Lower Bound	<10	<10	2	<10	<2
Upper Bound	20	20	4	20	4
KSBSS0758					
DUP					
Target Range - Lower Bound					
Upper Bound					
KSBSS0841					
DUP					
Target Range - Lower Bound					
Upper Bound					
ORIGINAL					
DUP					
Target Range - Lower Bound					
Upper Bound					

Comments: Samples Submitted by: Elias Mtibilo

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QC CERTIFICATE OF ANALYSIS JD25003256

Sample Description	Method	Au-AA25	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
	Analyte	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%
	LOD	0.01	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01	10	0.01
DUPLICATES																
ORIGINAL		0.67														
DUP		0.60														
Target Range - Lower Bound		0.59														
Upper Bound		0.68														
ORIGINAL		0.01														
DUP		0.01														
Target Range - Lower Bound		<0.01														
Upper Bound		0.02														
ORIGINAL		0.02														
DUP		<0.01														
Target Range - Lower Bound		<0.01														
Upper Bound		0.02														
ORIGINAL		0.03														
DUP		0.01														
Target Range - Lower Bound		<0.01														
Upper Bound		0.03														
PREP DUPLICATES																
KSBTR0061		0.11	<0.5	4.91	7	560	0.8	<2	2.98	<0.5	12	25	62	3.23	10	1.18
KSBTR0061 PREP DUP		0.11	<0.5	5.27	9	600	0.8	<2	3.05	<0.5	13	25	66	3.47	10	1.24
KSBTR0119		0.04	<0.5	8.36	10	290	1.3	2	3.92	0.5	19	25	23	5.20	20	0.31
KSBTR0119 PREP DUP		0.04	<0.5	7.76	9	270	1.2	<2	3.69	<0.5	15	25	20	4.86	20	0.29
KSBTR0178		0.01	<0.5	5.91	5	790	1.2	<2	3.13	<0.5	2	15	5	1.35	10	2.13
KSBTR0178 PREP DUP		0.01	<0.5	5.98	5	730	1.1	<2	2.78	<0.5	2	12	3	1.22	10	1.93
KSBTR0237		1.14	<0.5	6.05	23	670	1.0	<2	5.62	<0.5	3	16	19	1.34	10	2.16
KSBTR0237 PREP DUP		1.11	<0.5	5.89	22	650	1.0	<2	5.52	<0.5	1	15	20	1.29	10	2.10

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QC CERTIFICATE OF ANALYSIS JD25003256

Sample Description	Method	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
	Analyte	La	Li	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th	Ti
	Units	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOD	10	10	0.01	5	1	0.01	1	10	2	0.01	5	1	1	20	0.01
DUPLICATES																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
PREP DUPLICATES																
KSBTR0061		10	10	1.20	557	1	1.48	11	840	36	0.23	<5	13	412	<20	0.38
KSBTR0061 PREP DUP		10	10	1.28	585	1	1.58	9	860	40	0.25	<5	14	445	<20	0.40
KSBTR0119		20	10	1.76	779	<1	3.84	14	2380	22	0.05	<5	19	763	<20	0.69
KSBTR0119 PREP DUP		20	10	1.66	765	1	3.59	12	2150	20	0.05	<5	17	722	<20	0.65
KSBTR0178		10	10	0.24	471	1	2.71	5	200	7	0.01	<5	5	106	<20	0.14
KSBTR0178 PREP DUP		20	10	0.24	420	2	2.41	1	180	7	0.01	<5	5	99	<20	0.12
KSBTR0237		20	10	0.34	232	1	2.20	2	130	136	0.01	<5	5	118	<20	0.13
KSBTR0237 PREP DUP		20	10	0.33	222	2	2.13	2	130	128	0.02	<5	5	119	<20	0.12

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QC CERTIFICATE OF ANALYSIS JD25003256

Sample Description	Method / Analyte / Units / LOD	ME-ICP61 Tl ppm 10	ME-ICP61 U ppm 10	ME-ICP61 V ppm 1	ME-ICP61 W ppm 10	ME-ICP61 Zn ppm 2
	DUPLICATES					
ORIGINAL						
DUP						
Target Range - Lower Bound						
Upper Bound						
ORIGINAL						
DUP						
Target Range - Lower Bound						
Upper Bound						
ORIGINAL						
DUP						
Target Range - Lower Bound						
Upper Bound						
ORIGINAL						
DUP						
Target Range - Lower Bound						
Upper Bound						
	PREP DUPLICATES					
KSBTR0061		<10	<10	131	<10	56
KSBTR0061 PREP DUP		<10	<10	138	<10	59
KSBTR0119		<10	<10	162	<10	81
KSBTR0119 PREP DUP		<10	<10	153	<10	73
KSBTR0178		<10	<10	17	<10	31
KSBTR0178 PREP DUP		<10	<10	15	<10	26
KSBTR0237		<10	<10	26	<10	95
KSBTR0237 PREP DUP		<10	<10	25	<10	91

Comments: Samples Submitted by: Elias Mtibilo

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

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

Finalized Date: 23-JAN-2025
Account: SGSKSB

Project: KSB_R_BAT_001

QC CERTIFICATE OF ANALYSIS JD25003256

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Jeddah located at P.O. Box 54605, Jeddah, Saudi Arabia.

Applies to Method:			
Au-AA25	CRU-31	CRU-QC	LOG-22
LOG-24	ME-ICP61	PUL-31	PUL-QC
SPL-22Y	WEI-21		