



Date: 11 Feb 2026

ANALYSIS REPORT RFT26-03589

To F181401 SGS Azerbaijan LLC
Att:
Izmir street 14
Yasamal district
Baku AZ1065
AZERBAIJAN

Order Number	RFT_AF250056_01	Date Received	22 Jan 2026
Submission Number	Azerbazalt Elmi-Ishehsalat Birliyi LLC	Date Analysed	23 Jan 2026 - 10 Feb 2026
Number of Samples	1	Date Completed	10 Feb 2026
		SGS Order Number	RFT26-03589

Methods Summary

Number of Samples	Method Code	Description
1	G_WGH_KG	Weight of samples received
1	G_SCR_D	Dry Screening (Evaluation of Preparation)
1	G_PHY01V	Loss on ignition (LOI), Furnace, variable wt, variable temp
1	GO_XRF72	Borate Fusion, XRF, Ore Grade
1	GE_ICP90A50	Na2O2 Fusion, HNO3, ICPAES
1	GE_IMS90A50	Na2O2 Fusion, HNO3, ICP-MS

Results approved by _____ Results approved by _____

Results approved by _____ Results approved by _____

Results approved by _____ Results approved by _____



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- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received



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Element	WtG	Perc_PUL	*LOI	Al2O3	BaO	CaO
Method	G_WGH_KG	G_SCR_D	G_PHY01V	GO_XRF72	GO_XRF72	GO_XRF72
Lower Limit	0.01	0.01	-10	0.01	0.01	0.01
Upper Limit	--	100	100	100	70	60
Unit	g	%	%	%	%	%
Client Sample ID						
Basalt Dust SGS Seal No: A000166	257.51	95.00	0.70875	16.72	<0.01	9.32
*Rep Basalt Dust SGS Seal No: A000166	-	-	-	--	--	--
*Std AMIS0876	-	-	-	12.15	<0.01	6.51
*Blk BLANK	-	-	-	<0.01	<0.01	<0.01
*Rep Basalt Dust SGS Seal No: A000166	-	-	0.70382	-	-	-
*Std AMIS0876	-	-	2.26647	-	-	-

Element	Cr2O3	Fe2O3	K2O	MgO	Na2O	P2O5
Method	GO_XRF72	GO_XRF72	GO_XRF72	GO_XRF72	GO_XRF72	GO_XRF72
Lower Limit	0.01	0.01	0.01	0.01	0.01	0.01
Upper Limit	5	100	70	100	60	55
Unit	%	%	%	%	%	%
Client Sample ID						
Basalt Dust SGS Seal No: A000166	<0.01	12.48	0.78	5.02	3.27	0.46
*Rep Basalt Dust SGS Seal No: A000166	--	--	--	--	--	--
*Std AMIS0876	0.26	8.64	0.46	13.19	2.38	0.06
*Blk BLANK	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

Element	SiO2	TiO2	V2O5	Fe	Mn	MnO
Method	GO_XRF72	GO_XRF72	GO_XRF72	GO_XRF72	GO_XRF72	GO_XRF72
Lower Limit	0.01	0.01	0.01	0.01	0.01	0.01
Upper Limit	100	100	10	70	72	93
Unit	%	%	%	%	%	%
Client Sample ID						
Basalt Dust SGS Seal No: A000166	49.48	1.53	0.05	8.73	0.16	0.20

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Element	SiO2	TiO2	V2O5	Fe	Mn	MnO
Method	GO_XRF72	GO_XRF72	GO_XRF72	GO_XRF72	GO_XRF72	GO_XRF72
Lower Limit	0.01	0.01	0.01	0.01	0.01	0.01
Upper Limit	100	100	10	70	72	93
Unit	%	%	%	%	%	%

Client Sample ID

*Rep Basalt Dust SGS Seal No: A000166	--	--	--	--	--	--
*Std AMIS0876	52.56	0.22	<0.01	6.04	0.16	0.20
*Blk BLANK	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

Element	P	Al	Ba	Ca	Cr	Cu
Method	GO_XRF72	GE_ICP90A50	GE_ICP90A50	GE_ICP90A50	GE_ICP90A50	GE_ICP90A50
Lower Limit	0.004	0.01	10	0.1	20	10
Upper Limit	24	25	50,000	25	50,000	50,000
Unit	%	%	mg / kg	%	mg / kg	mg / kg

Client Sample ID

Basalt Dust SGS Seal No: A000166	0.200	9.10	270	6.5	55	205
*Blk BLANK	-	0.01	<10	0.1	20	<10
*Rep Basalt Dust SGS Seal No: A000166	-	8.99	270	6.4	30	200
*Std OREAS907	-	7.07	2310	0.6	-	6390
*Std AMIS0355	-	7.62	40	0.7	285	400
*Rep Basalt Dust SGS Seal No: A000166	--	-	-	-	-	-
*Std AMIS0876	0.027	-	-	-	-	-
*Blk BLANK	<0.004	-	-	-	-	-

Element	Fe	Li	Mg	Mn	P	S
Method	GE_ICP90A50	GE_ICP90A50	GE_ICP90A50	GE_ICP90A50	GE_ICP90A50	GE_ICP90A50
Lower Limit	0.01	10	0.01	10	0.01	0.01
Upper Limit	25	50,000	25	100,000	25	10
Unit	%	mg / kg	%	mg / kg	%	%

Client Sample ID

Basalt Dust SGS Seal No: A000166	8.32	25	2.52	1505	0.23	<0.01
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Element	Fe	Li	Mg	Mn	P	S
Method	GE_ICP90A50	GE_ICP90A50	GE_ICP90A50	GE_ICP90A50	GE_ICP90A50	GE_ICP90A50
Lower Limit	0.01	10	0.01	10	0.01	0.01
Upper Limit	25	50,000	25	100,000	25	10
Unit	%	mg / kg	%	mg / kg	%	%
Client Sample ID						
*Blk BLANK	<0.01	20	<0.01	<10	<0.01	<0.01
*Rep Basalt Dust SGS Seal No: A000166	8.25	20	2.50	1490	0.21	<0.01
*Std OREAS907	9.00	30	0.41	345	0.05	0.05
*Std AMIS0355	1.33	6990	0.80	985	0.04	0.03

Element	Sc	Si	Sr	Ti	V	Zn
Method	GE_ICP90A50	GE_ICP90A50	GE_ICP90A50	GE_ICP90A50	GE_ICP90A50	GE_ICP90A50
Lower Limit	5	0.1	10	0.01	10	10
Upper Limit	50,000	30	5,000	25	50,000	50,000
Unit	mg / kg	%	mg / kg	%	mg / kg	mg / kg
Client Sample ID						
Basalt Dust SGS Seal No: A000166	20	23.0	490	0.91	290	90
*Blk BLANK	<5	<0.1	<10	<0.01	<10	<10
*Rep Basalt Dust SGS Seal No: A000166	20	23.1	485	0.91	290	105
*Std OREAS907	<5	28.2	160	0.12	<10	180
*Std AMIS0355	<5	>30.0	80	0.05	15	85

Element	As	Be	Bi	Cd	Ce	Co
Method	GE_IMS90A50	GE_IMS90A50	GE_IMS90A50	GE_IMS90A50	GE_IMS90A50	GE_IMS90A50
Lower Limit	3	1	0.1	0.2	0.1	0.5
Upper Limit	10,000	2,500	1,000	10,000	10,000	10,000
Unit	mg / kg					
Client Sample ID						
Basalt Dust SGS Seal No: A000166	8	<1	1.2	<0.2	54.2	32.9
*Blk BLANK	<3	<1	<0.1	0.2	0.2	<0.5
*Rep Basalt Dust SGS Seal No: A000166	5	<1	1.2	0.2	55.8	33.9

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Element	As	Be	Bi	Cd	Ce	Co
Method	GE_IMS90A50	GE_IMS90A50	GE_IMS90A50	GE_IMS90A50	GE_IMS90A50	GE_IMS90A50
Lower Limit	3	1	0.1	0.2	0.1	0.5
Upper Limit	10,000	2,500	1,000	10,000	10,000	10,000
Unit	mg / kg					
Client Sample ID						
*Std OREAS907	30	2	21.2	-	89.1	47.9
*Std AMIS0355	-	-	-	-	5.4	49.4

Element	Cs	Dy	Er	Eu	Ga	Gd
Method	GE_IMS90A50	GE_IMS90A50	GE_IMS90A50	GE_IMS90A50	GE_IMS90A50	GE_IMS90A50
Lower Limit	0.1	0.05	0.05	0.05	1	0.05
Upper Limit	10,000	1,000	1,000	1,000	1,000	1,000
Unit	mg / kg					
Client Sample ID						
Basalt Dust SGS Seal No: A000166	1.0	5.60	3.17	1.65	18	6.29
*Blk BLANK	<0.1	0.18	0.15	0.14	<1	0.17
*Rep Basalt Dust SGS Seal No: A000166	1.1	5.61	3.20	1.73	18	6.49
*Std OREAS907	6.0	3.58	1.44	1.75	31	5.99
*Std AMIS0355	251	0.97	-	-	77	1.20

Element	Ge	Ho	In	La	Lu	Mo
Method	GE_IMS90A50	GE_IMS90A50	GE_IMS90A50	GE_IMS90A50	GE_IMS90A50	GE_IMS90A50
Lower Limit	1	0.05	0.2	0.1	0.05	2
Upper Limit	1,000	1,000	1,000	10,000	1,000	10,000
Unit	mg / kg					
Client Sample ID						
Basalt Dust SGS Seal No: A000166	<1	1.11	<0.2	27.1	0.53	7
*Blk BLANK	<1	0.14	0.2	0.1	0.17	<2
*Rep Basalt Dust SGS Seal No: A000166	<1	1.13	<0.2	25.4	0.55	7
*Std OREAS907	-	0.57	2.1	44.4	0.23	10
*Std AMIS0355	-	-	-	3.1	-	-

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Element	Nb	Nd	Ni	Pb	Pr	Rb
Method	GE_IMS90A50	GE_IMS90A50	GE_IMS90A50	GE_IMS90A50	GE_IMS90A50	GE_IMS90A50
Lower Limit	2	0.1	10	2	0.05	2
Upper Limit	10,000	10,000	10,000	10,000	1,000	10,000
Unit	mg / kg					
Client Sample ID						
Basalt Dust SGS Seal No: A000166	7	28.9	84	<2	6.00	20
*Blk BLANK	<2	0.5	<10	<2	0.05	<2
*Rep Basalt Dust SGS Seal No: A000166	7	31.1	79	3	6.19	21
*Std OREAS907	13	39.2	-	38	9.15	124
*Std AMIS0355	38	1.6	149	-	-	3579

Element	Re	Sb	Sm	Sn	Ta	Tb
Method	GE_IMS90A50	GE_IMS90A50	GE_IMS90A50	GE_IMS90A50	GE_IMS90A50	GE_IMS90A50
Lower Limit	0.05	1	0.1	10	0.5	0.05
Upper Limit	250	10,000	1,000	10,000	10,000	1,000
Unit	mg / kg					
Client Sample ID						
Basalt Dust SGS Seal No: A000166	<0.05	<1	6.0	<10	0.5	0.98
*Blk BLANK	0.06	<1	0.2	<10	<0.5	0.15
*Rep Basalt Dust SGS Seal No: A000166	<0.05	<1	6.1	<10	0.5	1.02
*Std OREAS907	-	3	6.8	-	0.9	0.88
*Std AMIS0355	-	<1	1.2	482	-	0.26

Element	Te	Th	Tl	Tm	U	Y
Method	GE_IMS90A50	GE_IMS90A50	GE_IMS90A50	GE_IMS90A50	GE_IMS90A50	GE_IMS90A50
Lower Limit	1	0.1	0.5	0.05	2	0.5
Upper Limit	1,000	1,000	1,000	1,000	10,000	10,000
Unit	mg / kg					
Client Sample ID						
Basalt Dust SGS Seal No: A000166	<1	5.6	<0.5	0.50	<2	25.0
*Blk BLANK	<1	<0.1	<0.5	0.13	<2	<0.5

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Element	Te	Th	Tl	Tm	U	Y
Method	GE_IMS90A50	GE_IMS90A50	GE_IMS90A50	GE_IMS90A50	GE_IMS90A50	GE_IMS90A50
Lower Limit	1	0.1	0.5	0.05	2	0.5
Upper Limit	1,000	1,000	1,000	1,000	10,000	10,000
Unit	mg / kg					
Client Sample ID						
*Rep Basalt Dust SGS Seal No: A000166	<1	5.6	<0.5	0.52	<2	25.8
*Std OREAS907	-	13.4	0.6	-	4	14.6
*Std AMIS0355	-	5.4	25.8	-	5	4.2

Element	Yb
Method	GE_IMS90A50
Lower Limit	0.1
Upper Limit	1,000
Unit	mg / kg
Client Sample ID	
Basalt Dust SGS Seal No: A000166	3.1
*Blk BLANK	0.3
*Rep Basalt Dust SGS Seal No: A000166	3.2
*Std OREAS907	0.8
*Std AMIS0355	0.3

THE END OF THE REPORT

Tests marked with an Asterix (*) in this report are included in the SANAS Accreditation Schedule for this Laboratory.

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