

معادن الفلسبار في اليمن *

_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

K_2O % 10
 Na_2O % 7
($\text{CaAl}_2\text{Si}_3\text{O}_8$)

K-Spar

(KAlSi_3O_8)

($\text{NaAl}_2\text{Si}_3\text{O}_8$)

-:

-1

-2

-3

()

()

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-1

()

4

146

40 - 10

. 15 - 5

2 - 0.5

1998

()

.1-1

(-)

8 - 5

-

² 6

40 - 30

. 8 - 5

1500- 500

.2-1

-

9

1.5

7 - 5

600 - 400

. 2

.3-1

(-)

7

-

40 - 30

600 - 400

.4-1

(-)

9 - 8

- 20

1500 - 1000

. 40

-:

1982

% 20

% 80 - 75

%	
88.04 - 72.91	SiO ₂
14.05 - 15.84	AL ₂ O ₃
0.18 - 0.80	Fe ₂ O ₃
1.60 - 2.22	Na ₂ O
2.74 - 12.70	K ₂ O

0.26 - 1.50	CaO
0.05 - 0.15	MgO
0.10 - 0.008	MnO

(1)

.³ 150,000

1982

()

-2

140

-1-2

% 70

2

. 300

200

100

10

:-

%	
3.6	Na₂O
5.4	K₂O
0.7	Fe₂O₃
2	TiO₂

(2)

-2-2

100
% 50

1.5

1982

-:

% 12.82 - 3.6	Na ₂	O
% 0.14 - 5.4		K ₂ O
% 0.09 - 0.7		Fe ₂ O ₃
% 67.13 - 65.81		SiO ₂

(3)

() -3

130 - 125

20 - 15

40-35°

((K-Feldspar))

=

-:

13.45 =

74.12

% 3	% 2	% 1	
72.67	75.12	74.58	
14	13	37.13	
0.30	0.64	0.30	
0.02	0.04	0.02	
0.86	0.21	0.37	
0.049	0.04	0.02	
3.72	1.96	2.42	
	0.033	0.28	
99.93	99.47	99.57	
	0.04	0.04	

(4)

()

- 4

20 - 18

200

20

45° - 35°

0.76 =

13.14 =

76.6 =

-:

% 3	% 2	% 1	
75.37	79.70	74.78	
13.58	11.42	14.42	
0.32	0.44	0.86	

0.02	0.04	0.06	
0.54	1.02	1.17	
0.02	0.04	0.04	
3.43	3.45	3.68	
3.64	3.14	5.75	
0.88	0.90	0.50	
99.53	99.95	99.53	
0.16	0.12	0.04	

(5)

()

- 5

18 - 15

300 - 50

20 - 5

1996

-:

%	
68	SiO2
17.64	AL2O3
0.54	Fe2O3
0.09	CaO
2	Na2O
3.8	K2O
0.25	L.I.O

(6)

1996

() - 6

10

7 - 1

20

60°

13.9 =

73.6 =

-:

0.7 =

%F ₁₂	%F ₁₁	%F ₁₀	%F ₉	% F ₈	%F ₇	
73.25	71.51	74.83	73.17	74.01	75.23	
0.13	0.11	0.15	0.10	0.20	0.11	
13.44	14.53	14.16	13.68	13.86	13.90	
0.29	0.16	0.20	0.10	0.65	0.35	
0.08	0.05	0.06	0.02	0.14	0.06	
1.27	0.24	1.11	0.38	0.76	0.92	
4.66	2.75	4.45	2.78	3.80	4.60	
4.31	9.42	4.50	8.80	6.20	3.85	
1.35	0.40	0.36	1.12	0.58	0.50	
98.76	99.17	99.82	100.30	100.20	99.52	
0.20	0.16	0.10	0.14	0.12	0.69	

(7)

20

() -7

10 - 3

10

40 - 8

= 14.23 = 73.8 = 0.87

%6	%5	%4	%3	%2	%1	
74.26	74.08	73.83	74.81	73.91	72.32	SiO2
0.10	0.10	0.08	0.11	0.08	0.15	TiO2
14.10	13.91	13.98	13.89	13.96	15.54	Al2O3
0.35	0.43	0.045	0.20	0.35	0.45	Fe2O3
4.75	1.07	0.95	0.61	0.77	1.40	CaO
4.75	4.60	4.95	4.95	5	6.90	Na2O
5.05	3.75	4.40	4.10	3.75	1.15	K2O
0.098	1.60	0.093	0.77	0.80	1.89	
99.99	99.60	99.65	98.88	98.68	99.92	
0.11	0.14	0.11	0.18	0.11	1.15	

(8)

4.800.000

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-3

-1

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-2
-3

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- (1)
- (2)
- (3)
- (4)
- (5)
- (6)
- (7)
- (8)

- (1)
- (2)
- (3)

2000

-
-

-:

. 1998 -1990 -1

- -2

-:

- 1- GEOMIN-COMPANY FOR MINING AND GEOLOGICAL: GEOLOGICAL REPORT ON THE INVENTORY OF THE CONSTRUCTION AND INDUSTRIAL ROCKS IN YEMEN 1983
- 2- STROJEXPORT PRAGUE- CZECH - FINAL REPORT ON ECONOMIC GEOLOGY OF NON METALLIC RAW MATERIALS IN YEMEN 1976-1977
- 3- HARBEN: GEOLOGY AND WORLD DEPOSITS:-
- 4- MILLS: INDUSTRIAL MINERALS AND ROCKS VOL 1.
- 5- B-G-S 1995 WORLD MINING DATA