

The next step in
Sodium Feldspar Evolution

Turkish Feldspar



Setting new standards in Sodium Feldspar

Sibelco Turkey have been at the forefront of Feldspar production for more than 25 years. Our wide experience in mining and processing results in competitive prices and products of exceptional quality.

Our deposits possess large reserves of natural high purity Sodium Feldspar, with reserve and resources containing in the region of 36 million tonnes. Conventional open-pit mining takes place at 5 major pits which operate 12 months a year and yield premium grade Feldspar with an impressive minimum Sodium content of 10%.

Total production has now reached over 1,000,000 tonnes, and due to excessive demand from Europe's high quality ceramic producers, the flotation plant has been expanded to a capacity of 400,000 tonnes per year.

Working in partnership with the Sibelco technical team, we are committed to improving your yields, enhancing the quality of your products and reducing your costs.

		STANDARD			
		940		980	
Typical Chemical Analysis (%)	Na ₂ O	9.00	Na ₂ O+K ₂ O= 8.70 min.	9.00	Na ₂ O+K ₂ O= 8.70 min.
	K ₂ O	0.30		0.40	
	Fe ₂ O ₃	0.13	TiO ₂ + Fe ₂ O ₃ = 0.47 max.	0.25	TiO ₂ + Fe ₂ O ₃ = 0.66 max.
	TiO ₂	0.27		0.30	
	Al ₂ O ₃	16.60	-	17.20	-
	CaO	0.60	-	0.60	-
	MgO	0.20	-	0.20	-
	P ₂ O ₅	0.20	-	0.20	-
	SiO ₂	72.40	-	71.44	-
	L.O.I.	0.30	-	0.41	-
Mineralogical Compositions (%)	Albite	79.53		79.53	
	Orthoclase	1.77		2.36	
	Anorthite	2.98		2.98	
	Clays	-		0.54	
	Quartz	15.72		14.59	
Moisture (%)		4 ± 1		4 ± 1	
Despatch		Bulk		Bulk	

		FLOATED		STANDARD					
		1005		1050		1040		1080	
Typical Chemical Analysis (%)	Na ₂ O	10.30	Na ₂ O+K ₂ O= 10.00 min.	9.75	Na ₂ O+K ₂ O= 10.00 min.	9.75	Na ₂ O+K ₂ O= 10.00 min.	9.75	Na ₂ O+K ₂ O= 9.7 min.
	K ₂ O	0.20		0.60		0.30		0.40	
	Fe ₂ O ₃	0.025	TiO ₂ + Fe ₂ O ₃ = 0.08 max.	0.22	TiO ₂ + Fe ₂ O ₃ = 0.54 max.	0.14	TiO ₂ + Fe ₂ O ₃ = 0.48 max.	0.28	TiO ₂ + Fe ₂ O ₃ = 0.66 max.
	TiO ₂	0.04		0.28		0.28		0.28	
	Al ₂ O ₃	19.00	-	17.80	-	18.30	-	18.20	-
	CaO	1.00	-	0.60	-	0.60	-	0.60	-
	MgO	0.10	-	0.20	-	0.10	-	0.20	-
	P ₂ O ₅	0.01	-	0.20	-	0.20	-	0.20	-
	SiO ₂	69.00	-	70.49	-	70.11	-	69.93	-
	L.O.I.	0.22	-	0.41	-	0.30	-	0.41	-
Mineralogical Compositions (%)	Albite	87.14		84.60		87.14		83.76	
	Orthoclase	1.18		1.77		1.77		2.36	
	Anorthite	4.96		2.98		2.98		2.98	
	Clays	0.06		-		-		0.99	
	Quartz	6.66		10.65		8.11		9.91	
Moisture (%)		9 ± 2		4 ± 1		4 ± 1		4 ± 1	
Despatch		Bulk		Bulk		Bulk		Bulk	
		Big Bag							

Turkish Feldspar 940



Turkish Feldspar 1005



Turkish Feldspar 1040



Turkish Feldspar 980



Turkish Feldspar 1050



Turkish Feldspar 1080

