The results of the chemical composition of the samples are presented in the table:

№ .	Sample name	Al_2O_3	CaO	Cr_2O_3	Cu	Fe_{gen}	K_2O	MgO	Mn	Na_2O
1	Slag	5.68	2.80	0.27	0.17	30.6	0.53	11.0	0.19	1.08
№	**Sample name**	**Ni**	**P_2O_5**	**S**	**SiO_2**	**TiO_2**	**V_2O_5**	**Zn**	**Moisture**	**Lost on ignition (LOI)**
1	Slag	0.13	0.067	0.85	30.8	0.54	0.13	0.06	0.09	-3.41*

*** When the samples were ignited, their mass increased.**

Mineral composition:

Phase	Composition	Quantity
Fayalite	Fe_2SiO_4	24.4
α-Fe	Fe	0.2
Magnetite	Fe_3O_4	1.2
Vustit	FeO	0.3
Amorphous phase		73.9

Conclusion: the studied slag consists mainly of iron silicate, presented in glass form, is an inert low-activity material.