

XRF analyse of raw materials [wt. %]:

	quartz	pure sand	beech ash	K ₂ CO ₃	limestone
SiO₂	98.9	98.7	1.9	0.02	2.8
Al₂O₃	0.6	1.1	0.6		1.5
CaO	0.1	0.04	35.0	0.01	51.5
K₂O	0.2	-	14.8	56.5	0.3
Na₂O	0.1	-	0.1	0.1	-
MgO	0.02	-	6.3	-	1.5
MnO	-	-	2.7	-	0.03
Fe₂O₃	0.1	0.03	0.4	-	0.3
P₂O₅	0.02	-	2.6	-	0.02
TiO₂	0.01	0.05	0.04	-	0.05
BaO	-	-	0.4	-	-
SO₃	-	-	1.5	-	-
Cl	-	-	0.06	-	<0.01
Rb₂O	-	-	0.04	-	-
SrO	-	-	0.1	-	0.02
CO₂	-	0.06	33.5	43.3	42.0