



QUALITY CERTIFICATE

FRACTIONATED PERLITE from Paravan Deposit, Georgia

Field of application: Fractionated Perlite used for production of expanded Perlite
By **GOST 10832-2009**

№	Quality rating	Unit	Size	Comment
1	Porosity	%	12 – 35	
2	Density	t/m ³	0.95-1.3	
3	Fineness	Mm	0.074 -0.63; 0.14-0.63; 0.15-0.63; 0.63-1.25; 1.25-2.5(3.0)	
4	Humidity	%	no more than 2	
5	Losses during glazing	%	3.7-3.77	
6	Temperature of expanding	°C	750-900	
7	The coefficient of expanding		10-30	
8	Detrimental trace contaminant	%	no more than 5	
9	Summary specific activity of radioactive nuclides (of uranium, thorium and potassium)	Bq /kg	no more than 230	Correspond to GOST 25226-96

Chemical composition (%)

SiO ₂	Al ₂ O ₃	Fe ₂ O ₃	TiO ₂	MnO	CaO	MgO	S	K ₂ O	Na ₂ O	Cl	P ₂ O ₅	H ₂ O	Ignition on Loss
73.0-76.0	12.9-13.2	0.5-1.0	0.13	0.08	0.69	0.23	0.00	4.19	3.15	0.04	0.03	3.7	3,7-3,77