

August 2018



## QUALITY CERTIFICATE

### EXPANDED PERLITE SAND – M75 from Paravan Deposit, Georgia

**Field of application:** Construction, metallurgy and other fields  
By **MST 20753664-004-2009** and **GOST 10832-2009**

#### Chemical composition (%)

SiO <sub>2</sub>	Al <sub>2</sub> O <sub>3</sub>	Fe <sub>2</sub> O <sub>3</sub>	TiO <sub>2</sub>	MnO	CaO	MgO	S	K <sub>2</sub> O	Na <sub>2</sub> O	Cl	P <sub>2</sub> O <sub>5</sub>	H <sub>2</sub> 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	0.04	3,7-3,77

1. Apparent density - 40-75 kg/m<sup>3</sup>
2. Coefficient of thermal conductivity - 0.036-0.055 W/m<sup>0</sup>C
3. Grade - 0.16mm-1.25mm

Total specific activity of radioactive Nuclides (of uranium, thorium and potassium) no more than 230 Bq/kg.





August 2018

## QUALITY CERTIFICATE

### EXPANDED PERLITE SAND – M100 from Paravan Deposit, Georgia

**Field of application:** Construction, metallurgy and other fields  
By MST 20753664-004-2009 and GOST 10832-2009

#### Chemical composition (%)

SiO <sub>2</sub>	Al <sub>2</sub> O <sub>3</sub>	Fe <sub>2</sub> O <sub>3</sub>	TiO <sub>2</sub>	MnO	CaO	MgO	S	K <sub>2</sub> O	Na <sub>2</sub> O	Cl	P <sub>2</sub> O <sub>5</sub>	H <sub>2</sub> 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	0.04	3,7-3,77

1. Apparent density - 80-110 kg/m<sup>3</sup>
2. Coefficient of thermal conductivity - 0.048-0.070 W/m<sup>0</sup>C
3. Grade - 0.16mm-2.25mm

Total specific activity of radioactive Nuclides (of uranium, thorium and potassium) no more than 230 Bq/kg.

