

Accreditation certificate No. POCC RU.0001.21CJ189  
No. 004494 from 08.06.2011 to 08.06.2016

### Test report No. 1

#### Broken stone mixed with fraction of 10-40 mm

*Product name:* broken stone mixed with fraction of 10-40 mm, code of the Russian Classification of Production (RCP) 571110, code of Foreign Economic Activity Commodity Nomenclature (FEACN) 2517 10 000 0

*Supplier:* Kalinichenko Individual Entrepreneur

*Date of registration:* 22.05.2013

*Information about test unit:* broken stone mixed with fraction of 10-40 mm (basalt). Kirovsky deposit of structural stone, Kirovsky settlement of the Primorsky region, mass of 140 kgs.

*Registration number of collected material:* No. 3511

*Test method:* GOST 8269 0-97 “Mauntainous rock road-metal and gravel, industrial waste products for construction works”

*Date of testing:* 22.05 – 05.07.2013

#### 1. Qualitative indicators of broken stone mixed with fraction of 10-40 mm characteristics

Name of indicator	Mea. unit	Testing result	Requirements of GOST 8267-93
1. Packed density	kg/m <sup>3</sup>	1574	No regulations
2. True density	g/cm <sup>3</sup>	2.94	No regulations
3. Clay particles and dust content	%	0.11	No more than 1
4. Clay globs content	%	0	No more than 0.25
5. Plate-like (flake) and needle shaped grains content	%	2.22	1 group Up to 10 inclusive
6. Soft rock grains content	%	0	No more than 5
7. Breakability mark -mass lost during testing in water-saturated form	%	1400 3.25	1400 Up to 9 inclusive
8. Full remains on control sieves d 0.5(d+D) D 1.25D	%	99.66 77.76 0 0	90-100 30-80 Up to 10 Up to 0.5
9. Scuff-resistance mark -mass lost during testing	%	И1 6.49	И1 Up to 25 incl.
10. Frost-resistance mark: saturate in sodium sulphate solution – drying: -number of cycles -mass lost during testing	%	F300  15 1.40	F300  15 No more than 2

## 2. Grading of broken stone mixed with fraction of 10-40 mm characteristics

Name of remains	Size of sieve mesh, mm				
	40	20	15	10	< 10
Partial remains, %	0	77.76	20.90	1.0	0.34
Full remains, %	0	77.76	98.66	99.66	100

**Decision:** on the basis of testing results and requirements of GOST 8267-93 “Mountainous rock road-metal and gravel, industrial waste products for construction works” the broken stone mixed with a fraction of 10-40 mm belongs to group one by the form of grains, belongs to mark 1400 by crushability, belongs to mark H1 by scuff-resistance, belongs to mark F300 by frost-resistance.

Report applies only to the sample subjected to the test

Head of Constructional materials testing center

Professor

/Signature/

N.I. Yarmolinskaya

Seal: Ministry of Education and Science of the Russian Federation

State Budgetary Educational Institution of Higher Vocational Education

“Pacific Ocean State University”