

109429 Russia, Moscow, Kapotnya, 2 block, house 1, building 3, Tel.: +7(495) 734-92-00, Fax: 355-62-52
TELETYPE: 111150, MOSCOW BITUM e-mail: bitum@mpz.ru. http://www.mnpz.ru

QUALITY PASSPORT No. 1

Product name, grade:

**Bitumen for road pavement 50/70
Declaration of Performance №001 dated 26.04.2016**

Standard: EN 12591:2009

Product fabrication date:

12.07.2016


Batch: 1

Tank number:

P-19

Tank filling level:

691 cm/ 290 t

 0120
JSC "Gazpromneft-MNPZ" 109429 Russia, Moscow, Kapotnya, 2 block, house 1, building 3 16 GB16/871266
EN 12591:2009 Bitumen for road pavement: 50/70

No.	Parameter, measurement unit	Testing method	Value acc. to EN	Actual value
1	Penetration at 25°C, 01 mm	EN 1426	50 to 70	61
2	Softening point, °C	EN 1427	46 to 54	52
3	Resistance to hardening at 163 ⁰ C: - residual penetration, %	EN 12607-1	50, at least	64
	- softening point rise, °C		9, not more than	8
	- weight change (absolute value), %		0.5, not more than	0,1
4	Flash point, °C	EN ISO 2592	230, at least	278
5	Solubility, %	EN 12592	99.0, at least	99,7
6	Penetration index	EN 12596, Appendix A	-1.5 to +0.7	-0.2
7	Dynamic viscosity at 60°C, Pa*c	EN 12596	145, at least	355
8	Fraas Breaking Point, °C	EN 12593	-8, not more than	-20
9	Kinematic viscosity at 135 °C, mm ² /s	EN 12595	295, at least	568

Conclusion:

Bitumen for road pavement 50/70 complies with EN 12591:2009.

Product QC Shop Superintendent

E.G. Pankova

Date of issue

12.07.2016

QC Check Officer

L.I. Timofeeva

Time of issue

14:08:00