



Branch of a public joint stock company  
Bashneft Joint-Stock Oil Company Bashneft-UNPZ  
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**CERTIFICATE No. 8187**  
**Electrode coke brand B TU 0258-004-05766540-2008**

Documents establishing technical specifications for the products:

TU 0258-004-05766540-2008 Electrode coke. Specifications"

OKPD 2 Code 19.20.42.110

Batch number: 8187

Date of manufacture: September 24, 2017

Batch size (mass): 496.00 t

Sampling site (according to GOST 16799): Open railroad freight cars

Date of sampling: September 24, 2017

Test date: September 24, 2017

The certificate was issued on the basis of the test report dated

September 24, 2017 No.8187

Name of the indicator	Testing method	Norm according to TU 0258-004-05766540	The actual value
1. Mass fraction of total moisture, %	GOST 27588	no more than 3.0	11.8
2. Ash content, %	GOST 22692	no more than 1.0	0.40
3. Mass fraction of sulfur, %	GOST 8606	no more than 6.0	4.83
4. Mass fraction of volatile substances, %	GOST 22898	not more than 12.0	11.1
5. Mass fraction of fines with particle size, %: - less than 8.0 mm - less than 1.0 m	GOST 22898	no more than 90 not standardized	67.3 17.8
6. Mass fraction of vanadium, %, maximum - ferrum - silicon -nickel - sodium	IP 470	- - - -	- - - -

**Conclusion:** Electrode coke brand B TU 0258-004-05766540-2008

**conform to requirements**

- TU 0258-004-05766540-2008 "Electrode coke. Specifications".

**Additional Information:**

- the indicator under item 1 "Mass fraction of total moisture" is not rejection and serves to calculate with the consumer;

- indicator under item 6 "Mass fraction of vanadium, iron, silicon, nickel, sodium\* for grade B and C coke is not standardized, it is determined in agreement with the consumer;

- transportation according cl. 6.1 of Industry Standard 0258-004-05766540-2008, storage according GOST 1510 and cl. 6.3, 6.4 of TU 0258-004-05766540-2008;

the manufacturer, a branch of PJSC ANK Bashneft, Bashneft-Ufaneftekhim, guarantees that the quality of electrode coke meets the requirements of TU 0258-004-05766540-2008 for 2 years, provided that the consumer observes the conditions for transportation and storage of electrode coke provided for by GOST 1510;

- Safety Data Sheet No. 67826502.02.40902

L.S.

Laboratory Director

Laboratory assistant

Certificate issue date 24 September 2017

signature Kopertekh N.S.

/signature/ Kashtanova S.A.

/seal/ Branch of the public joint-stock company "Joint-stock oil company "Bashneft" \* "Bashneft - Ufaneftekhim" \* ITs-UKK\* For product Certificates ITs-UKK/