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Branch of a public joint stock company
Bashneft Joint-Stock Oil Company Bashneft-UNPZ
Legal address:
Russian Federation, 450077, Republic of Bashkortostan, Ufa, Karl Marx Str., 30, bld. 1
Production address:
Russian Federation, 450045, Republic of Bashkortostan, Ufa city-45
e-mail: info_bn@bashneft.ru, tel. +7 347 269-75-40, fax: +7 347 249-22-22

Testing Center - Quality Control Division (PCL)
Russian Federation, 450045, Republic of Bashkortostan, Ufa city-45
e-mail: info_bn@bashneft.ru, tel. +7 347 269-75-40, fax: +7 347 249-22-22

CERTIFICATE No. 11551
Electrode coke brand C 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: 11551

Date of manufacture: 28.11.2021

Batch size (mass): 540.55 t

Silo C-3

Sampling site (according to GOST 16799-79): v/c

Date of sampling: 28.11.2021

Test date: 29.11.2021

The certificate was issued on the basis of the test report dated 01.12.2021 No. 11551

Name of the indicator	Testing method	Norm according to TU 0258-00405766540-2008	The actual value
1. Mass fraction of total moisture, %	GOST-27588-91	no more than 3.0	12.6
2. Ash content, %	GOST-22692-77	no more than 1.0	0.33
3. Mass fraction of sulfur, %	GOST-1437-75	no more than 6.0	4.68
4. Mass fraction of volatile substances, %	GOST 22898-78	no less than 15.0	21.2
5. Mass fraction of fines with particle size, %: - less than 8.0 mm - less than 1.0 m	GOST 22898-78	no more than 90 not standardized	54.3 23.6
6. Mass fraction, %: - vanadium - ferrum - silicon - nickel - sodium	IP 470/05	— — — — —	— — — — —
Additional requirements (Contract for the supply of petroleum products No. ВБНФ/П/8/09/20/НПР dated December 26, 2019)			
Name of the indicator	Testing method	Norm under the contract	The actual value
1. Ash content (on dry weight basis, Ad), %	GOST-22692-77	no more than 1.0	0.33
2. Mass fraction of sulfur (on dry weight basis, Sd), %	GOST-1437-75	no more than 4.8	4.68
3. Volatile-matter content (Vd), %	GOST 22898-78	no less than 15.0	21.2
4. Mass fraction of fines with particle size, %: - less than 8.0 mm - less than 1.0 m	GOST 22898-78 Cl. 4.3, GOST 22898	no more than 90 not standardized	54.3 23.6

Conclusion: Electrode coke brand C 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;
- aggregate state at a temperature of 20 °C and a pressure of 760 mm Hg - gaseous;
- transportation according cl. 6.1 of Industry Standard 0258-004-05766540-2008 storage according GOST 1510-84 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 1510-84;
- safety data sheet No. 67826502.19.66887.

SP 55107817, 52325610, 52322781, 53110284, 52322740, 55140917, 60508389, 56064215

L.S. Chemical Analysis Laboratory assistant (shift supervisor)
Date of issue of the certificate 01 December 2021

_____ Ovchinnikova I.N.

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