Stock company Novokuibyshevsk Oil Refinery Plant, Legal address and address of production: Russian Federation, 446207, Samara region, Novokuibyshevsk, st. Osipenko, 12 e-mail: <u>sekr@nknpz.rosnefl.ru</u>, Vf 8(84635) 6-12-38, t. 8(84635) 3-44-12

Quality Management System Certificate of Conformity ISO 9001:2015 No. 31100542 QM15; certificate is valid until 02.09.2021

Testing laboratory - Central Plant Laboratory (CPL) Russian Federation, 446207, Samara region, Novokuibyshevsk, st. Osipenko, 12 Stock company Novokuibyshevsk Oil Refinery Plant, e-mail: <u>sekr@nknpz.rosneft.re</u>, t/f 8(84635) 6-12-38, t. 8(84635) 3-41-80

CERTIFICATE No. 5496

ANODE GRADE PETROLEUM COKE (TS 0258-080-99418673-2008 rev.1),

GRADE "TS 0258-008-05766600-2001 rev.1-4"

Designation of documents establishing requirements for the product: TS 0258-008-05766600-2001 "Delayed coking petroleum coke. Technical Specifications". OKPD 2 code: 19.20.42.110 Batch No.: 115 Date of production: 02.12.2019 Size (weight) of the batch: 1975 Place of sampling (under GOST 16799): Zone 7 Sampling date: 02.12.2019 Date of testing: 02.12.2019

The certificate is issued on the basis of the test report № 9719 dated 12/10/2019

Index Name	Test method	Standard acc. to TS 0258-008-05766600-2001	Actual value
1. Mass fraction of total moisture, %	GOST 27588-91	not more than 3.0	4.0
2. Mass fraction of volatiles,%	GOST 22898-78	not more than 10.5	8.5
3. Ash content, %	GOST 22692-77	not more than 0.5	0.38
4. Mass fraction of sulfur, %	GØST 1437-75	not more than 5.0	4.24
5. Mass fraction of coke fractions,% with lump size less than 8 mm	GOST 22898-78	not more than 50.0	40.1

vay transport;

Conclusion: Anode grade petroleum coke (TS 0258-080-99418673-2008 rev.1), grade "TS 0258-008-05766 - TS 0258-008-05766600-200 2001 "Delayed coking petroleum coke. Technical Specifications". -4" complies with the requirements: Additional information:

- the indicator "Mass fraction of total moisture" is not a rejection and serves for calculation with the consumer - storage and transportation according to GOST 1510. Transportation by railway (in open wagons), water and hig

- the warranty shelf life is 5 year from the date of manufacturing.

exceptions cl. 8.5.1 (h) in terms of delivery and post-delivery actions).

- the products are manufactured under the management established in the Quality Management System, certified by DOS (DEKUES LLC) and complying with the requirements of ISO 9001: 2015 (allowable

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