

**COKE**

4 Date of issue: 01 Sept 1995

Modification: 04

Date of validity: 4.6.2015

1. PURPOSE OF USE

It is used in the melting of metallic insert of grey and nodular cast iron in cupola furnaces.

2. GENERAL QUALITY REQUIREMENTS

Conformity with the quality specification.

3. PROPERTIES OF MATERIAL

Coke must have sufficiently high caloric value and an appropriate reactivity in the cupola furnace, as well as lower content of ash and sulphur. Size of pieces must be as equal as possible (>100 mm), while the strength must be as high as possible.

4. PACKAGING, PACKING AND TRANSPORT

Coke should be transported in bulk on truck, each filled with 25 t, and equipped with manufacturer's designation, name, batch number, net weight and date of production.

5. WARRANTY OF QUALITY

For each shipment, the quality assurance certificate is required regarding the:

- Micum index
- Moisture
- Granulation
- Sulphur
- Ash and volatile
- Caloric value

6. MANNER OF ACCEPTANCE

Coke will be accepted by the acceptance control of LIVAR.

7. CONTROL PROCEDURE

Control procedure includes the verification of conformity according to the certificate in comparison with the appropriate characteristics and visual inspection. In case of any doubt in the veracity of statements in the certificate, the acceptance control provides for quality verification at an authorised external institution.

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8. MANNER OF MEASUREMENT**QUALITY CHARACTERISTICS, VALUE, MANNER OF MEASUREMENT**

NAME: COKE 1

Code: 6300701

QUALITY CHARACTERISTICS	VALUE	MANNER OF VERIFICATION
Caloric value	min. 30.0 MJ/kg	Certificate
Moisture	max. 5.00 %	Certificate
Ash	max. 9.00 %	Certificate
Sulphur	max. 0.75 %	Certificate
Volatile	max. 1.00 %	Certificate
Micum 40	min. 87.00	Certificate
Size of pieces < 90 mm	max. 5 %	Certificate

NAME: COKE 2

Code: 6300801

QUALITY CHARACTERISTICS	VALUE	MANNER OF VERIFICATION
Caloric value	min. 28.0 MJ/kg	Certificate
Moisture	max. 5.00 %	Certificate
Ash	max. 11.00 %	Certificate
Sulphur	max. 0.75 %	Certificate
Volatile	max. 1.20 %	Certificate
Micum 40	min. 80.00	Certificate
Size of pieces < 70 mm	max. 5 %	Certificate