



**INOCULANTS**

Date of issue: 1 Sept 1995

Modification: 10

Date of validity: 01 Jan 2014

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**1. PURPOSE OF USE**

It is used for modification of grey and nodular cast iron, directly in the melt stream.

**2. GENERAL QUALITY REQUIREMENTS**

Conformity with the manufacturer's catalogue.

**3. PROPERTIES OF MATERIAL**

Inoculants has to be based on FeSi with additives Ca, Al, Ba or Zr.

**4. PACKAGING, PACKING AND TRANSPORT**

Shipment must be labelled with manufacturer's designation, name, date of production and net weight. Shipment must be packed in bigbags. Transport must be protected against the atmospheric impacts.

**5. WARRANTY OF QUALITY**

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

- content of Al, Ca, Ba, Mn, Zr
- granulation

**6. MANNER OF ACCEPTANCE**

Inoculants will be accepted by the acceptance control of LIVAR according to the prescribed quality characteristics in certificate.

**7. CONTROL PROCEDURE**

Chemical and sieve analysis is conducted in case of doubt in the correctness of statements in the certificate. The acceptance control provides a quality verification at a verified external institution.

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**8. MANNER OF MEASUREMENT**

QUALITY CHARACTERISTICS, VALUE, MANNER OF MEASUREMENT

NAME: INOCULANTS 0,2-0,7mm

Code: 1722101

QUALITY CHARACTERISTICS	VALUE	MANNER OF VERIFICATION
Si content	Min 64%	Certificate
Ca content	min. 1.4 %	Certificate
Al content	max. 1.9 %	Certificate
Ba content	2 - 4 %	Certificate
Granulation	0.2 - 0.7 mm	Certificate
Granulation below 0.2 mm	max. 8 %	Certificate
Granulation above 0.7 mm	max. 0,5 %	Certificate

NAME: INOCULANTS 0,2-0,7mm

Code: 1722101

QUALITY CHARACTERISTICS	VALUE	MANNER OF VERIFICATION
Si content	73 – 78 %	Certificate
Ca content	2 – 2,5 %	Certificate
Al content	1 – 1,5 %	Certificate
Zr content	1,3 – 1,8 %	Certificate
Granulation	(0.2 - 0.7) mm	Certificate
Granulation below 0.2 mm	max. 8 %	Certificate
Granulation above 0.7 mm	max. 0,5 %	Certificate

NAME: INOCULANTS 1 – 10 mm

Code: 1723101

QUALITY CHARACTERISTICS	VALUE	MANNER OF VERIFICATION
Si content	Min 64%	Certificate
Ca content	min. 1.4 %	Certificate
Al content	max. 1.9 %	Certificate
Ba content	Min 2,5 %	Certificate
Granulation	1 -10 mm	Certificate
Granulation below 1 mm	max. 5 %	Certificate