

THE INSTITUTE FOR CERTIFIED REFERENCE MATERIALS
ICRM

CERTIFICATE OF ANALYSIS

CERTIFIED REFERENCE MATERIAL

No. CHG1/9 – CHG6/9

(Set)

CAST IRON

CERTIFIED VALUES, %:

Sample	C	Si	Mn	S	P	Cr	V	Ti	Cu	As
CHG1/9	3.61	1.13	1.12	0.038	0.184	0.017	0.006	0.014	0.041	(0.002 - 0.004)
CHG2/9	3.93	0.387	0.456	0.078	0.513	0.060	0.049	0.080	0.082	
CHG3/9	3.54	0.516	0.387	0.053	0.037	0.100	0.096	0.125	0.123	
CHG4/9	3.24	0.455	1.42	0.024	0.030	0.155	0.169	0.10	0.199	
CHG5/9	3.51	0.84	0.60	0.036	0.104	0.307	0.441	(0.1)	0.037	
CHG6/9	2.65	0.53	0.83	0.027	0.54	0.241	0.130	0.028	0.34	

VALUES OF UNCERTAINTY, %, (95% confidence level):

Sample	C	Si	Mn	S	P	Cr	V	Ti	Cu
CHG1/9	0.04	0.01	0.01	0.001	0.003	0.002	0.001	0.001	0.004
CHG2/9	0.02	0.004	0.005	0.002	0.006	0.001	0.001	0.002	0.002
CHG3/9	0.02	0.006	0.005	0.002	0.001	0.001	0.002	0.004	0.003
CHG4/9	0.02	0.008	0.01	0.001	0.001	0.003	0.005	0.01	0.006
CHG5/9	0.02	0.01	0.01	0.001	0.002	0.005	0.007	-	0.001
CHG6/9	0.02	0.01	0.01	0.001	0.02	0.006	0.003	0.001	0.01

- ADDITIONAL DATA:
1. Values in brackets are not certified.
 2. Size and form: Truncated cone h (35-40) mm, diameter of upper base (34-38) mm, diameter of lower base (36-40) mm.
 3. Minimum certified layer is 10 mm from smaller base.
 4. Samples have structure of white cast iron.

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