

Metal and Quality, LLC
CERTIFICATE OF ANALYSIS
CRM MHCX 03
Silico-Manganese



INFORMATION Certified Reference Material MHCX03 (GSZU No. 3-182-2010) produced in conformity to the Certificate No.27.35.20.150-164 from 20.01.2010, authorized by the Ministry of Industrial Policy of Ukraine

APPLICABILITY Reference material MHCX03 is intended for control of measurements errors, calibration of measuring means at definition of chemical compound of Silico-Manganese

DEVELOPER AND MANUFACTURER Metal and Quality, LLC

CERTIFIED VALUES (BOLD)

Elements	C	S	Mn	Si	P	Fe	Cu	Ni	Ti	Cr	Al	B
Certified value (mass fraction in %)	0.04	0.004	65.5	29.2	0.047	4.92	0.13	0.11	0.49	0.20	<i>0.013</i>	<i>0.009</i>
Estimate of uncertainty (confidence 0,95)	0.01	0.001	0.2	0.3	0.002	0.10	0.01	0.02	0.03	0.02	-	-

Italics - approximate value

VALIDITY January 2035

SPECIFICATION The particle size less than 160 micron

DELIVERY CRM in glass (100 g), packed into a box and the Certificate

DATE OF ISSUE January 2010

STORAGE Material should be kept in a dry room in the closed bottle.

SAFETY The reference material and packing do not contain substances, which can directly influence health.

PARTICIPATING LABORATORIES, Ukraine

Alchevsk Iron & Steel Works, PJSC
ArcelorMittal Krivy Rig, PJSC
Azovstal, PJSC
DMKD, PJSC
Dneprospetsstal (DSS), PJSC
Nikopol Ferro Alloy Plant, PJSC
Ukrainian Special Steels Institute, SE
Stahanov Ferro Alloys Plant, PJSC
Zaporizhstal, PJSC
Zaporozhye Ferro Alloys Plant, PJSC

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