

THE INSTITUTE FOR CERTIFIED REFERENCE MATERIALS ICRM

CERTIFICATE OF ANALYSIS

REFERENCE MATERIAL

No. E2

DUST EMISSIONS OF CONVERTER - SMELTING

CERTIFIED VALUES AND UNCERTAINTIES (95% confidence level), %

Iron total	56.4	±	0.1	Fluorine	(0.5)
Ferrous oxide	6.2	±	0.1	Chrome	(0.1)
Silicon dioxide	1.76	±	0.01	Potassium	(0.2)
Calcium oxide	7.97	±	0.05	Sodium	(0.1)
Magnesium oxide	1.64	±	0.02	Nickel	(0.03)
Manganese oxide	1.41	±	0.01	Vanadium	(0.01)
Carbon	1.383	±	0.004	Copper	(0.04)
Sulphur	0.116	±	0.002	Aluminium	(0.07)
Phosphorus	0.065	±	0.001	Cobalt	(0.003)
Zinc	0.59	±	0.01	Arsenic	(0.002)
Lead	0.276	±	0.002	Tin	(<0.0005)
				Calcinations losses	(4.2)

ADDITIONAL DATA: 1. Minimum weight of sample for analysis for ferrous oxide is 0.25 g, for other components – 0,1 g.
2. Values in brackets are not certified.
3. Analytical methods used are given in Supplement.

Valeriy Stepanovskikh
Director, ICRM

