



Industrie Service

Certificate

TÜV Industrie Service GmbH
TÜV SÜD Gruppe

Laboratory for Environmental Services
(Laboratorium Umwelt Service)
accredited according DIN EN ISO/IEC 17025 DAP-PL-2885.99

Ultramat 6 E,F 7 MB21
Gas Analyser for CO, NO, SO₂
Report Nr. 24019084 (February 1999)

Manufacturer:
Siemens AG, Karlsruhe, Germany

TÜV Industrie Service GmbH, TÜV SÜD Group is herewith certifying that the analyser Ultramat 6 E,F 7MB21 is in accordance with DIN EN ISO 14956, Jan. 2003 and fulfils QAL1 of EN 14181 for the following ranges of measurement or for higher ranges:

Component	C _{test} mg/ m ³	Range of measurement mg/ m ³	In accordance with DIN EN ISO 14956
CO	50	0-75	Yes
NO	33	0-100	Yes
NO as NO ₂	50	0-153	Yes
SO ₂	50	0-75	Yes

The calculation according DIN EN ISO 14956 was performed on the basis of the results of the investigations for report Nr. 24019084 (February 1999) for the German suitability test.

The following performance characteristics were regarded: Response time; Non-linearity, Instability/ drift; Selectivity/ interfering components; Dependence of ambient temperature, ambient pressure and voltage; , Gas flow; Sample losses; Uncertainty of calibration gas; Uncertainty of independent reference method.

Munich, July 2004

Dr. D. Fiederer

Dr. A. Brandl

Laboratorium Umwelt Service, TÜV Industrie Service GmbH, Unternehmensgruppe TÜV
Süd, IS-US1-MUC, Westendstrasse 199, D-80686 München