



Certificate

ISO conformity of Merck COD Cell Tests

Cat.-No.	Measuring range
1.18750.0001	0 – 40.0 mg/l COD
1.18751.0001	0 – 150 mg/l COD
1.18752.0001	0 – 1500 mg/l COD
1.18753.0001	0 – 15000 mg/l COD

Hereby we confirm, that the above mentioned Merck COD Cell Tests fully comply with

ISO 15705

Water quality — Determination of the chemical oxygen demand index (ST-COD) — Small-scale sealed-tube method

	ISO 15705	Merck
Reagents	Potassium dichromate Mercury sulfate Silver sulfate Sulfuric acid	Potassium dichromate Mercury sulfate Silver sulfate Sulfuric acid
Digestion temperature	150 °C ± 5 °C	148 °C ± 3 °C
Digestion time	120 ± 10 min	120 min
Wavelength and measuring range for photometric determination	to 50 mg/l O ₂ 348 ± 20 nm to 150 mg/l O ₂ 440 ± 20 nm to 1500 mg/l O ₂ 600 ± 20 nm	0 – 40.0 mg/l O ₂ 350 nm 0 – 150 mg/l O ₂ 420 nm 0 – 1500 mg/l O ₂ 620 nm 0 – 15000 mg/l O ₂ 620 nm
Accepted chloride levels	1000 mg/l Cl ⁻	minimum 2000 mg/l Cl ⁻

Merck KGaA, Darmstadt, Germany

Darmstadt, 30.04.2011

i.V

Gunter Decker
Product management

i.A.

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