

Cyanos

compact Cyanide-Analyzer with integrated autosampler

The compact cyanide-analyzer can be used to determine cyanide in water, eluates and soil extracts according to DIN EN ISO 14403.

All units required to set the cyanide selectively free from the different compounds are integrated (UV and/or thermal treatment for weak-acid dissociable and total cyanide).



Interferences are largely removed by automated membrane transfer of the hydrogen cyanide generated. As the membrane transfer is performed with stopped acceptor liquid enrichment takes place which results in a very high sensitivity and low reagent consumption. The measurement range can be regulated by the duration of the enrichment; the quantification limit is 2 µg/l cyanide for an enrichment time of 160 s.

The detection is pyridine-free.

Weak acid dissociable ("free") Cyanide	0.005 ... 0.2 mg/l	FCN⁻
	0.02 ... 1 mg/l	FCN⁻
Total Cyanide	0.005 ... 0.2 mg/l	TCN⁻
	0.02 ... 1 mg/l	TCN⁻