



HI93754

COD Certified Standards and Reagents

Each box of 25 vials is supplied with a Hanna certificate of quality. The reagents are traceable to NIST SRM® 930.

- **Compact packaging**
 - Each set of COD vials is stored in fully recyclable, sustainable, compact plastic packaging rather than standard styrofoam. A smaller box allows you to store more on your shelf, and reduce waste when disposing of your packaging.
- **Three measurement ranges to satisfy every need**
 - As COD levels vary depending on the application and process measuring points, Hanna offers reagents to cover three separate ranges. Simply choose the best range for the application: low range: 0 to 150 mg/L O₂ medium range: 0 to 1500 mg/L O₂ high range: 0 to 15000 mg/L O₂
- **Accurate and repeatable measurements**
 - Hanna COD reagents have been developed in accordance with Standard Methods 5220D, USEPA 410.4 and ISO 15705:2002 methods.
- **Pre-dosed vials**
 - Hanna vials contain approximately 3 mL of pre-dosed reagent. The operator just needs to add a small quantity of the sample.
- **Safe reagents**
 - Hanna COD reagents are safe for operators and the environment. Vials and caps have been designed to avoid accidental reagent spills. Due to the pre-dosed reagents, the amount of chemicals and handling time is minimized.
- **Quick and accurate measurements**
 - With pre-dosed vials, test preparation time is dramatically reduced. There is no time-consuming reagent preparation procedure or glassware cleaning.



HI93754E-25



HI93754A-25



HI93754B-25



HI93754C-25

COD Test	Range	Method	Reagent Code
COD LR - 150°C, 2 hours	0 to 150 mg/L (as O ₂)	dichromate EPA*	HI93754A-25 (25 tests)
	0 to 150 mg/L	dichromate mercury-free**	HI93754D-25 (25 tests)
	0 to 150 mg/L	dichromate ISO***	HI93754F-25 (25 tests)
COD MR - 150°C, 2 hours	0 to 1500 mg/L (as O ₂)	dichromate EPA*	HI93754B-25 (25 tests)
	0 to 1500 mg/L	dichromate mercury-free**	HI93754E-25 (25 tests)
	0 to 1500 mg/L	dichromate ISO***	HI93754G-25 (25 tests)
COD HR - 150°C, 2 hours	0 to 15000 mg/L (as O ₂)	dichromate	HI93754C-25 (25 tests)
COD UHR - 150°C, 2 hours	0.0 to 60.0 g/L	dichromate	HI93754J-25 (24 tests)

COD Rapid Method: It is now possible to get results for process control monitoring in a fraction of the time using any of the Hanna COD reagents. The Rapid Method digestion time is reduced from 2 hours to 15 minutes when the digestion temperature is increased from 150°C to 170°C.

COD Test	Range	Rapid Method	Reagent Code
COD LR / Rapid Method - 170°C, 15 minutes	0 to 150 mg/L (as O ₂)	adaptation of dichromate EPA	HI93754A-25 (25 tests)
	0 to 1500 mg/L	adaptation of dichromate mercury-free	HI93754D-25 (25 tests)
	0 to 1500 mg/L	adaptation of dichromate ISO	HI93754F-25 (25 tests)
COD MR / Rapid Method - 170°C, 15 minutes	0 to 150 mg/L (as O ₂)	adaptation of dichromate EPA	HI93754B-25 (25 tests)
	0 to 1500 mg/L	adaptation of dichromate mercury-free	HI93754E-25 (25 tests)
	0 to 1500 mg/L	adaptation of dichromate ISO	HI93754G-25 (25 tests)

Wastewater Standards

HI93754-11 500 ppm COD standard, 500 mL bottle

HI93754-12 14000 ppm COD standard, 500 mL bottle

HI93717-11 phosphate standard 1000 ppm, 500 mL bottle

Notes:

* Method with chromium-sulfuric acid is officially recognized by EPA for wastewater analysis.

** This method is recommended for general purpose analysis with no chloride interference.

*** Method follows the official method ISO 15705. COD MR ISO method is 0-1000 mg/L. Meter can read higher.