



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. The ergonomic box design reduces the volume of collateral waste and required storage space.
- **Three measurement ranges to satisfy every need**
 - COD levels vary depending on the application and process measuring points. Hanna offers reagents to cover three separate ranges:
 - 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, US EPA 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



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 (25 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.