

Chemical Oxygen Demand



Chemical Oxygen Demand (COD) Standards

Reagecon's offering includes a comprehensive range of COD Standards. These standards are ideal for use as Control Standards to verify that correct analysis for COD has taken place. Achieving an acceptable result for the Control Standard will improve confidence in sample readings for this important environmental parameter.

Product No.	Description	Pack Size
COD10	COD Calibration Standard 10ppm	500ml
COD20	COD Calibration Standard 20ppm	500ml
COD50	COD Calibration Standard 50ppm	500ml
COD100	COD Calibration Standard 100ppm	500ml
COD200	COD Calibration Standard 200ppm	500ml
COD500	COD Calibration Standard 500ppm	500ml
COD600	COD Calibration Standard 600ppm	500ml
COD1000	COD Calibration Standard 1000ppm	500ml
COD1300	COD Calibration Standard 1300ppm	500ml
COD1500	COD Calibration Standard 1500ppm	500ml
COD2000	COD Calibration Standard 2000ppm	500ml
COD3000	COD Calibration Standard 3000ppm	500ml
COD5000	COD Calibration Standard 5000ppm	500ml
COD6000	COD Calibration Standard 6000ppm	500ml
COD10M	COD Calibration Standard 10000ppm	500ml
COD20M	COD Calibration Standard 20000ppm	500ml
COD30K	COD Calibration Standard 30000ppm	1L
COD60M5	COD Calibration Standard 60000ppm	500ml

Chemical Oxygen Demand (COD) Reagents

Reagecon's product offering includes reagents for the two accepted methods for measuring COD at concentrations less than 400mg/l. Where the concentration is greater than 400mg/l, the sample must be diluted.

Product No.	Description	Pack Size
WTR50W	Chemical Oxygen Demand COD Reagent (1977 method)	2.5L
CODMS	Chemical Oxygen Demand COD 20% w/v Mercury (II) Sulphate in 10% w/v Sulphuric Acid	500ml
KC2002F	Chemical Oxygen Demand COD Potassium Dichromate 0.0208M (0.125N) Solution	1L
AGN01001	Chemical Oxygen Demand COD Reagent Silver Nitrate 1000g/L	100ml
AGS1W	Chemical Oxygen Demand COD 1% w/v Silver Sulphate in Sulphuric Acid Solution	2.5L
AGS1H	Chemical Oxygen Demand COD 1% w/v Silver Sulphate in Sulphuric Acid Solution	500ml
PFS1	Indicator Solution Ferroin Indicator	100ml

* Methodology as per the Department of the Environment (U.K.) "Chemical Oxygen Demand (Dichromate Value) of Polluted and Waste Waters" published in 1977 and revised in 1986.

Chemical Oxygen Demand (COD) Vials

Reagecon's COD Reagent Vials can be used in conjunction with the Aqualytic PC Spectro, PC Compact Vario and all Hach® spectrophotometers. This compatibility is proven in the Reagecon Technical Publication. ⁽¹⁾ Reagecon also offer a collection and disposal service in certain territories for used vials that complies with all relevant dangerous goods disposal and environmental regulations.

Product No.	Description	Pack Size
420720	Measuring Range 0-150mg/L	pk25
420720R	Measuring Range 0-150mg/L with compliant disposal	pk25
420721	Measuring Range 0-1500mg/L	pk25
420721R	Measuring Range 0-1500mg/L with compliant disposal	pk25
420722	Measuring Range 0-15000mg/L	pk25
420722R	Measuring Range 0-15000mg/L with compliant disposal	pk25

⁽¹⁾ A comparative study of the performance of Reagecon COD vials and Hach® COD vials using the Hach® DR/2010 photometer. Authors: John J. Barron, Colin Ashton & Leo Geary - Technical Services Department, Reagecon Diagnostics Ltd., Shannon Free Zone, County Clare, Ireland.