

Potassium Dichromate, COD Analysis and the European Chemical Agency: What You Need to Know

Potassium Dichromate, one of the reagents necessary for Dichromate COD analysis, is listed as a "Substance of Very High Concern" on the Annex XIV list of the European Union's REACH regulation. Starting September 2017, producers of COD tests will need authorisation from the European Union to sell these tests, if authorisation is granted.

Why is Potassium Dichromate on the Authorisation List?

The European Chemical Agency has found Potassium Dichromate to be Carcinogenic, Mutagenic and a Reproductive Toxin. These properties make the Dichromate COD method unsafe for the analyst, the public and the environment. Sweden and Norway currently require authorization to sell Potassium Dichromate. Japan and South Korea have already banned Potassium Dichromate.

What are the alternatives to the Dichromate COD Method?

The PeCOD[®] COD analyzer, based on simple photo-electrochemical oxidation reaction, measures COD in 10 minutes. The benefits of the PeCOD include:

- GREEN Chemistry! No harmful chemicals – keeps the analyst, the public and the environment safe.
- Much faster than the Dichromate COD Method. Quick results enable rapid decisions and effective containment to protect the public and the environment.
- The PeCOD[®] COD Method has been validated by the Ontario Ministry of the Environment, Canada. Reference is MOE Method E3515.
- Available as a laboratory unit, a field unit or a process unit.
- Can be fully automated using MANTeCH AutoMax[™] samplers.



[Click here](#) to view the PeCOD[®] Brochure for more information.

To request a copy of the Ontario Ministry of the Environment's validated E3515 PeCOD COD method, please contact MANTeCH at info@mantech-inc.com.

Where can I find more information on Potassium Dichromate's Authorisation Listing Status?

[Click here](#) to visit the European Chemical Agency's page on Potassium Dichromate.