 German Engineering

Purecat. Safe compliance with COD limits.

Cost-efficient COD reduction in the distillate. Cutting-edge technology from the experts in wastewater-free production.

Our application center for wastewater-free production is continuously working on making industry wastewater-free. To make this possible for further industrial production, the interdisciplinary team has now developed a technology that sets new standards in terms of COD reduction and thus also distillate quality.

Worldwide, COD* limits for the reuse and discharge of polluted industrial wastewater are becoming increasingly stringent.

In order to minimize this value to such an extent that the treated water can be discharged or reused in the production, complex processes were usually necessary in the past. Often, maintenance- and cost-intensive activated carbon filters had to be used for post-treatment.

In our application center for wastewater-free production, we have now developed the solution that reduces the COD value by another 50 percent compared to conventional evaporation: the innovative Purecat technology!

With Purecat, you benefit from higher process reliability and, compared to activated carbon filters, lower operating costs. Thanks to the low operating effort, you have more time for the essentials.

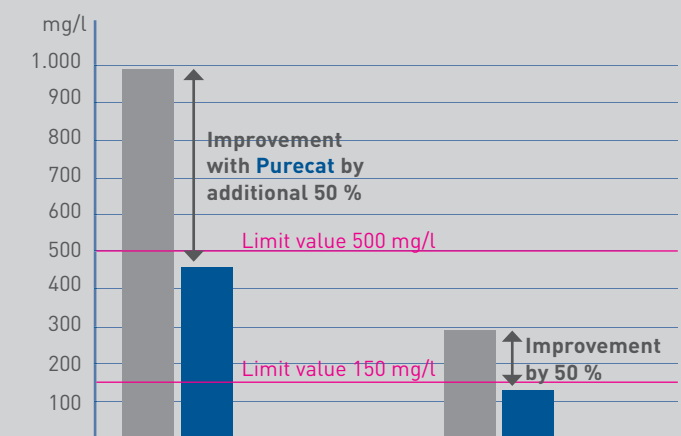
- Purecat:**
- In combination with Clearcat, an additional 50 percent less COD in the distillate
 - High process reliability
 - Low operating effort

* COD (Chemical Oxygen Demand): A measure of the pollution of wastewater with organic substances.



The optical COD comparison of distillate samples in the laboratory: green stands for a lot of COD, orange for little. The lighter the orange colour, the less COD is in the distillate. On the left the process water before treatment, in the middle the distillate treated with Clearcat, on the right additionally with Purecat.

COD reduction of up to 99 % overall**.



- COD value after treatment with VACUDEST Clearcat **without** Purecat
- COD value after treatment with VACUDEST Clearcat **with** Purecat

** compared to COD value before wastewater treatment