

**Intertek** Caleb Brett

**Intertek** Analyses Chalon

The international web of 210 **Intertek Caleb Brett** laboratories serves its customers in more than 118 countries worldwide. Its field of activity consisting in inspection, certification, calibration and other several services for industrial purpose.



**Intertek Analyses Chalon** realized some tests on the beginning of 2006 to demonstrate the efficiency of the **Xbee** enzyme biotechnology to eliminate the contamination in a heavily polluted road diesel fuel.

Method: IP 385/99, Energy Institute (EI) international norm, ex-Institute of Petroleum (IP). This consists in counting the number of viable bacteria, yeast and mold.

D Day: Just after **Xbee** addition.

D Day + 15 : After 15 days with **Xbee** concentrations (4000:1 and 500:1).

D Day + 60 : After 60 days with **Xbee** concentrations (4000:1 and 500:1).

Results in CFU.

*CFU: Colony forming Unit (one viable germ leads to the formation of one colony).*

Certification



[www.afaq.org](http://www.afaq.org)

ISO 9001:2000



[www.iso.org](http://www.iso.org)

Accreditation



[www.cofrac.fr](http://www.cofrac.fr)

(Program 73 and 74)  
NF EN ISO/CEI 17025

|  | Bactéria |            |            |
|--|----------|------------|------------|
|  | D Day    | D Day + 15 | D Day + 60 |

|                       |                                      |                                     |                                 |
|-----------------------|--------------------------------------|-------------------------------------|---------------------------------|
| Gazole Xbee<br>1:4000 | 1,5.10 <sup>8</sup><br>(150 000 000) | 2,6.10 <sup>7</sup><br>(26 000 000) | 3,4.10 <sup>6</sup><br>(34 000) |
|-----------------------|--------------------------------------|-------------------------------------|---------------------------------|

|                      |                                      |                                     |                                 |
|----------------------|--------------------------------------|-------------------------------------|---------------------------------|
| Gazole Xbee<br>1:500 | 1,5.10 <sup>8</sup><br>(150 000 000) | 2,2.10 <sup>7</sup><br>(22 000 000) | 3,3.10 <sup>6</sup><br>(33 000) |
|----------------------|--------------------------------------|-------------------------------------|---------------------------------|

|  | Yeast |            |            |
|--|-------|------------|------------|
|  | D Day | D Day + 15 | D Day + 60 |

|                       |                                    |                                    |                                 |
|-----------------------|------------------------------------|------------------------------------|---------------------------------|
| Gazole Xbee<br>1:4000 | 1,0.10 <sup>6</sup><br>(1 000 000) | 1,0.10 <sup>6</sup><br>(1 000 000) | 4,0.10 <sup>4</sup><br>(40 000) |
|-----------------------|------------------------------------|------------------------------------|---------------------------------|

|                      |                                    |                                  |                                |
|----------------------|------------------------------------|----------------------------------|--------------------------------|
| Gazole Xbee<br>1:500 | 1,0.10 <sup>6</sup><br>(1 000 000) | 5,0.10 <sup>5</sup><br>(500 000) | 4,0.10 <sup>3</sup><br>(4 000) |
|----------------------|------------------------------------|----------------------------------|--------------------------------|

|  | Mold  |            |            |
|--|-------|------------|------------|
|  | D Day | D Day + 15 | D Day + 60 |

|                       |                                     |                                     |                                 |
|-----------------------|-------------------------------------|-------------------------------------|---------------------------------|
| Gazole Xbee<br>1:4000 | 1,4.10 <sup>7</sup><br>(14 000 000) | 2,7.10 <sup>7</sup><br>(27 000 000) | 2,0.10 <sup>4</sup><br>(20 000) |
|-----------------------|-------------------------------------|-------------------------------------|---------------------------------|

|                      |                                     |                                     |                                 |
|----------------------|-------------------------------------|-------------------------------------|---------------------------------|
| Gazole Xbee<br>1:500 | 1,4.10 <sup>7</sup><br>(14 000 000) | 1,5.10 <sup>7</sup><br>(15 000 000) | 4,0.10 <sup>4</sup><br>(40 000) |
|----------------------|-------------------------------------|-------------------------------------|---------------------------------|

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