

Livia Drusilla Italy



L.D.I.
Iustitia et Veritas



[D A B]

The solution against adulteration

Dispositivo Antimanomissione per Bottiglie

The solution against adulteration



- [D.A.B.] You can apply this stuff to the bottle mouth, already closed.
- The DAB lets you be aware of any attempt to open, without authorization, the bottle just because of the outer cap. In this way the consumer will be guaranteed that the product contained in the bottle is what was originally bottled and that during the path from producer to his glass there was no adulteration.
- Today in the market you can find a lot of stuff useful to detect an attempt to tamper the bottle. Anyway every one has disadvantages and drawbacks because of poor efficiency and reliability, structural complexity and more over the high costs of production. For all these reasons DAB has been studied to be effective and reliable in use. It allows you to identify in a way timely and unambiguous any burglary attempts carried out on the stuff itself.

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ADULTERATION:

Food adulteration is the process in which the quality of food is lowered by the addition of inferior quality material, foreign matter, the substitution of the original substances to simulate the natural product. The goal is to cancel defects or to make the food look better

In regard of food counterfeiting in Italy, according to Censis data (43rd Annual Report on the Social situation of the country, 2008), this would be a growing phenomenon that goes hand in hand with growth throughout Europe.

Italians, according to numerous polls, feel a lot about the problem of food security and they would like to have more certainty about the food they buy and consume, especially related to the new phenomena such as the so-called "Italian Sounding", the imitative practice that causes damages to the image of the Italian product.

The phenomenon of food counterfeiting has had and will have several negative effects, including:

- Threats and harm to the health and safety of consumers;
- Tax contraction;
- GDP contraction of the countries involved;
- Revenue contraction of the "fair" farms;
- Decline in consumer confidence;
- Overall damage to the economy and to the "made in Italy".

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WHY D.A.B.?

Because it will lead to a new development of the sectors:

- ❖ **OLIVE OIL;**
 - ❖ **WINE;**
 - ❖ **BEER;**
 - ❖ **VINEGAR**
- ❖ and all the other products contained in bottle of glass, pet and so on.

○ WHAT DOES IT MEANS FOR A PRODUCER AND A CONSUMER?

- Quality assurance
- Be sure of who is the producer, the place of production, nutritional values.
- Better quality of products, quality of the territory, life quality for residents, the production chain control system, information system and/or technological, marketing for goods and services, economic and financial system;
- increase in youth employment;
 - ✦ finished products that can boast excellent levels of healthiness.

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Once adopted, our device will ensure the total safeguard of the product and, therefore, of the Made in Italy. This means the end of the adulteration of the products that made our country so much famous but that too often are fake.

HOW?

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Each stuff will have a unique code inside, it will allow to come up with complete certainty and simplicity to all manufacturer data, method of production and other details, recorded in a certified information system. The producers that will adopt our sytem will record, in this information system, all the data related to their production.

From the unique code, through an on-line system, you can verify the truthfulness of the product at the same time that the customer presents himself in cash for purchase or when he sees it on the shelf. The unauthorized opening of the device is indeed reported not only physically, through the deformation or breakage, but also by failure to read the rfid code on the D.A.B.. At the same time it will modify the status of the code in the Certified Information System that could be either the sale or the denial of the sale of the object.

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At this stage, a unique certified georeferenced rfid reader will be used. It will perform the following functions:

- The reading of the unique code using RFID technology (a code other than the one read by the consumer);
- The code will be send to the on line information system;
- unlocking the temper proof device;
- save in memory the products purchased at the particular store;
- generating Unique Purchase Code

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- (CUA Unique Purchase Code) Which will allow, using the s.sim application, to trace back the product data, those previously registered in the Certified Information System by mapping the territory.
- Everything is made in accordance with the law A.C. 1454 dated March 30, 2016, which contains the following description of CUA: “...non-replicable identifier code that will contain references, which can be retrieved via telematics, to the data of the manufacturer, Certification Body, Product Range, Distributor providing the code system Identification, as well as the listing of each processing step. From the technical point of view, the aforementioned identification code will consist in a unique and non-reproducible sign, optimized for the mobile system ... ”
- The customer can then send the internal code to the device via SMS and / or WEB and, if he is the first to send it to the system, he will receive a password with which he can, via the web portal, view, save in a file or print all the data related to the purchased product; now to the internal code it will be assigned assigned a non-availability status within the repository so that, If the code is sent again, the system will send a message indicating a previous access.
- In the control phase of the CUA by the customer using s.sim application, if he finds discrepancies, such as, for example, the previous sale of the packaging, he could use this information and go to the shop to ask for the refund without having to open the product packaging.

Additionally, application of this type can be integrated :

- Propose to the customer to spend a vacation at the place of production of the purchased .

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- There are so many today who claims to offer us truly organic foods obtained through natural processes, without the use of substances now recognized by the most really highly harmful to our health. At the same time, though, there are many who lies, succeeding in entering market products that should have certain features, but that in reality they do not have. That's why so many people have moved on this front, launching various instruments aimed to oppose to sophistication of food. Untill now, the results appear rather scarce, and this is why nobody has ever thought that the one that must be protected is **the Bottle Cap**.
- [D.A.B.] is an excellent choice for those working in the oil, wine, vinegar, beer, perfumes and drugs fields, see the more and more usual attempts, accomplished, to sophisticate those products that makes great our Made in Italy, or for consumer safety, both in Italy and abroad.

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D.A.B.

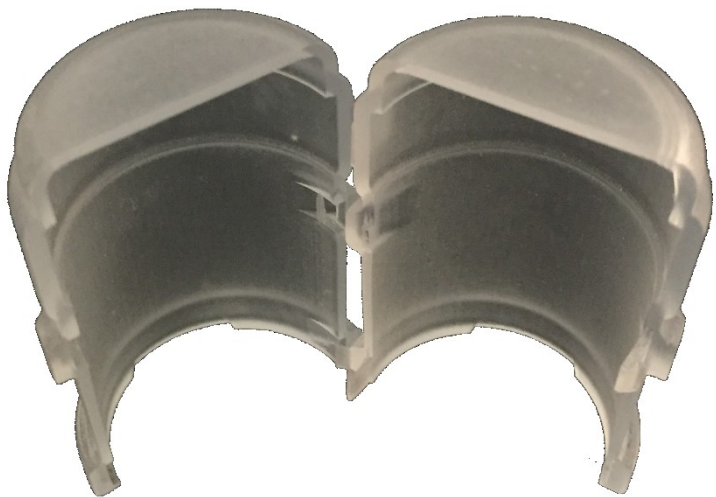
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D = DISPOSITIVO

A = ANTIMANOMISSIONE

B = PER BOTTIGLIE





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