

# PULSED LIGHT DECONTAMINATION OF APTAR NEO CLOSURE

MEET HIGHER HYGIENIC STANDARDS

## Adopt Aptar Neo closure

and benefit from the chemical free Claranor process

### Microbiological test results :

> 3,5 LOG REDUCTION on *Aspergillus brasiliensis*

Voltage	Flash number	Mean Log reduction
3000 V	1	= 3,5
	2	> 3,5

Only one flash to get > 3 log reduction

Aptar & Claranor : benefit from a close partnership

**Packaging and process can contribute to your corporate commitments in sustainability**



food + beverage



Pulsed Light Sterilization

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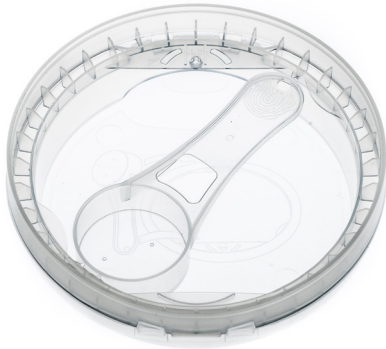
# PULSED LIGHT DECONTAMINATION OF APTAR NEO CLOSURE

MEET HIGHER HYGIENIC STANDARDS



Aptar NEO closure Pulsed light validation

## NEO closure by Aptar



### Aptar innovative concept dedicated to the infant formula powder :

Flip top with in-mold spoon equipped with Flex band can attachment system

### Benefits

- Out of Powder storage for an easy hygienic storage
- Intuitive scoop leveller for right or left hand consumer
- Audible 'click' when opening & closing
- High capping flexibility & performance 360°
- Protection against pest ingress
- Recycling stream improvement

### Features

- 127 & 99mm PP closure
- One-piece flip-top in-mold spoon
- Integrated spoon holder and leveller bar
- Active hinge
- Tamper evidence
- Range of standard colors, custom colors on demand
- Custom spoon size on demand
- Flex band can attached system

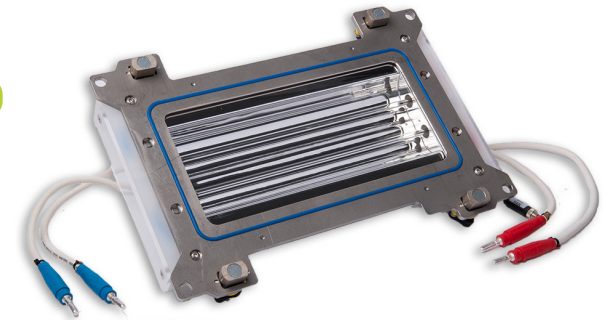


## Claranor pulsed light sterilization

**Microbiological test objective:** Validate the efficiency of a flash lamp system regarding the **decontamination of all the surface located under the spoon** of the Aptar Neo closure.

### Claranor equipment

**Cap sterilizer**  
1 reflector Claranor Essential®/  
2 xenon lamps



### Test modality

- VDMA code of practice
- Conidiospore : *Aspergillus brasiliensis*
- 3000 V / 1 or 2 flashes
- Inoculated caps were positioned at 10 mm underneath the flash lamp

### Advantages

- Dry sterilization
- Compact & easy to integrate on existing or new line
- Instant treatment
- No residue
- Low & Medium speed line

