

PULSED LIGHT DECONTAMINATION OF APTAR NEO CLOSURE

UPGRADE FOOD SAFETY & IMPROVE LINE EFFICIENCY



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.

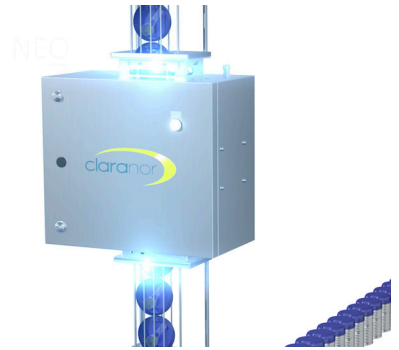
Claranor equipment

Cap sterilizer

1 reflector Claranor Essential®/
2 xenon lamps

Test modality

- VDMA code of practice
- Conidiospore : *Cronobacter sakazakii* and *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



COMPACT



CLEANTECH



COST EFFICIENT



POWERFUL

PULSED LIGHT DECONTAMINATION OF APTAR NEO CLOSURE

UPGRADE FOOD SAFETY & IMPROVE LINE EFFICIENCY

Adopt Aptar Neo closure
and benefit from the Claranor Pulsed light efficiency

Performance :

3 log on Cronobacter *sakazakii* & Aspergillus *brasiliensis*

Aptar & Claranor : benefit from a close partnership
***Packaging and process working together:
the best way to protect your product***



Marianne BARET, Director Market Development EMEA Food
marianne.baret@aptar.com



Pulsed Light Sterilization

Anthony HERENG, Sales Manager
ahereng@claranor.com