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Registered in the Lombardy Register of Laboratories Conducting Analyses as Part of Self-Control Procedures in the Food Industry (Registration No. 030020307014). Included in the national list of laboratories authorized to verify compliance in the field of fertilizers. Participant in the quality control program for analytical work on asbestos analysis using MOCF and FTIR methods.

## Test Report No. 1806064-001

**Asola, Thursday, January 3, 2019**  
**Client:** CLUSTERNANOTECH Ltd, GB London, N3 1 HF  
**Sample Receipt Date:** December 4, 2018  
**Test Completion Date:** December 21, 2018  
**Sampling Date:**  
**Test Start Date:** December 4, 2018  
**Sample Description:** Milk  
**Sampling Location:** Code 759-AP DX - Batch: 10/09/2018  
**Sampling Conducted By:** Client  
**Sampling Procedure:** Performed by the client

Parameter	Result	Uncertainty	Unit of Measurement	Method	Min. Limit	Max. Limit
Silver	0,27	-	mg/kg	Rapporti ISTISAN 1996/34 Pto 3.2 Pag 87 + EPA 60100 2014	-	-
Iodine	<5	-	mg/kg	Rapporti ISTISAN 1996/34 Pio 3.2 Pag 87 + EPA 60100 2014	-	-

### Purpose of Analysis:

The analysis is designed to determine the residual content of chemical substances, such as silver (Ag) and iodine (I), in milk collected 12 hours after the application of an antiseptic product. This study aims to assess the safety and efficacy of the product's use within the food chain and to confirm its compliance with regulatory requirements.

### Methods of Analysis:

#### Silver (Ag):

Method: Atomic Absorption Spectrometry based on the recommendations of Rapporti ISTISAN 1996/34 (Section 3.2, Page 87) and EPA 60100 (2014).  
Result: 0.27 mg/kg. This result indicates a low concentration of silver, confirming its safety for consumption.

#### Iodine (I):

Method: Photometric analysis as per the same regulatory documents.  
Result: <5 mg/kg. This means the residual concentration of iodine is below the detection limit.



### Results:

The content of silver and iodine in the milk is within permissible limits. Measurement uncertainty was calculated with a coverage factor of **k=2**, providing a confidence level of **95%**.

### Conclusion:

The analysis confirms that the use of this antiseptic product is safe, as the residual amounts of active substances are minimal and do not exceed regulatory limits. The results indicate no risk of contamination in milk collected 12 hours after the product's application.



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Matteo Sarzi Amadè	ArubaPEC S.p.A NG CA 3	TINIT-SRZMTT76H22A470F	IT	bj8Ct:C=IT	18996281	October 8, 2021, 23:59:59	October 9, 2018, 00:00:00 (UTC Time)

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