



INSPIRED MOLECULAR SOLUTIONS™

### Modified Final Report 18N00-----

supercedes 18N005097-v01

**Kemin Nutrinsurance, Inc.**

Customer Laboratory Services

1900 Scott Avenue

Building #4

Des Moines, IA 50317



TESTING CERT #9528 01

**Customer:** Purelux - CJ Foods  
**Location:** Pawnee City, NE 68420  
**Date Received:** 5/4/2018  
**Date Approved:** 5/9/2018

Sample Number: **18N00509-----**  
 Sample Description: ADULT LAMB DOG  
 Sample Type: Petfood Diet  
 Sample Date: 5/2/2018  
 Customer ID: 440568  
 Lot #: 12302019z92b  
 Produce For: Purelux Inc

Method	Description	Result	Units
*KNCLS-WWM-006	Peroxide Value (FOXII)	0.18	mEq/kg Sample
KNCLS-WWM-005	BHA	<1	ppm
KNCLS-WWM-005	BHT	<1	ppm
KNCLS-WWM-005	TBHQ	<5	ppm
KNCLS-WWM-005	EQ	<5	ppm
*KNCLS-WWM-001	<b>Naturox</b>	<b>617</b>	<b>ppm</b>
*KNCLS-WWM-001	Delta:Gamma Ratio	0.36	

**CONFIDENTIAL**

Kemin is the Leader in Natural Preservation using Mixed Tocopherols. This is a costly process and many companies cheat the system by purchasing chemically preserved raw ingredients and applying low levels of natural preservation.

**Purelux uses Kemin's brand "Naturox" in 3 ways:**


- (1) all raw ingredients such as fresh meat, meals, and fats get stabilized naturally before receiving at the factory.
- (2) all the mill where dry ingredients are combined we add dry Naturox to the mix to further support the shelf-life.
- (3) at the time of production Purelux gets liquid Naturox applied to the fat to stabilize the food for 18 - 20 months.

The formula to determine if the enough preservation has been applied is to take the level of fat of the formula (example: Adult Lamb Dog 15% x 2 = 300ppm to ascertain a good shelf life. 20% fat formula x 2 = 400ppm and so on)

You can see the chemical preservative BHA, BHT, EQ and TBHQ are all LESS THAN the minimum limit of detection, which tells you (the customer) that this food has not been handled with chemical preservation in general.

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This report was electronically generated and approved by:

  
 Roger Dann  
 Senior CLS Associate 2

\* This method is covered by our current A2LA ISO/IEC 17025:2005 accreditation

Results presented in this report relate only to the sample(s) submitted. Results with a greater than symbol may have an approximate actual value in parenthesis.  
 Always consult Kemin Customer Laboratory Services before relying on these results in any other circumstance or change in material.