



GOLD SHIELD™
PetFoodSolutions.com

“A BRAND’S BEST FRIEND”

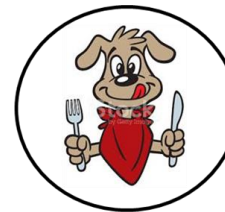
THE COMPANY & THE PRODUCT



*Better
SAFETY*



*Better
QUALITY*



*Better
TASTE*

Who is Pet Food Solutions?



- Respected refiner of animal fats for both the pharmaceutical and pet food industries.
- Producer and supplier of **GOLD SHIELD™** RCF – a highly purified chicken fat made for safer and better pet foods.
- Developer of new pet food technology, offering clean & green improvements in safety, palatability, shelf life, operations, and pet health.
- Eli Lilly's Global Supplier of the Year award (past recipient).
- CLEAN process with zero footprint – sustainable.
- Efficiency and safety: Governor's Safety Award 3 years in a row!

GOLD SHIELD™ Refined Chicken Fat

Current Approach: Safety through acidifiers

- Acids added to prevent *Salmonella* growth



New Approach: Remove impurities using *NO CHEMICALS*

- Bacteriostatic; reducing risk of *Salmonella* growth
- Improved palatability, stability, and operability



Chicken
Fat
(CF)

Leftover
Residue
(LR)


Refined
Chicken Fat
(RCF)

Commit to CLEAN...our ads say it all



 **Clean:** We remove the sludge and impurities NATURALLY, creating the cleanest Refined Chicken Fat available.

 **Green:** We use NO CHEMICALS in our processing. We are truly a natural product, which supports “clean label.”

 **No Waste:** Even our extraction material is used for biodiesel and land application.



GOLD SHIELD™ – Key Benefits

- **Reduces Risk:** **GOLD SHIELD™** RCF reduces risk of *Salmonella* contamination of pet food (post extrusion)
- **Clean Process:** **GOLD SHIELD™** uses NO CHEMICALS!
- **GOLD SHIELD™** key benefits:
 - *Bacteriostatic*
 - *Improved palatability*
 - *Greater stability*
 - *Better operability*
 - *Higher purity*



GOLD SHIELD™
PetFoodSolutions.com

GOLD SHIELD™ RCF: Value for Pet Food Producers

RCF Technology Feature	Benefit	Implications for Manufacturers
Bacteriostatic Properties	<ul style="list-style-type: none"> RCF process kills bacteria and removes bacterial contaminants Inhibits future <i>Salmonella</i> growth 	<ul style="list-style-type: none"> Improved Consumer Food Safety by limiting <i>Salmonella</i> product contamination - risk of recalls, etc. Lowers process & plant worker risk of exposure
Palatability Performance	<ul style="list-style-type: none"> Superior in testing vs. standard higher-risk Chicken Fat 	<ul style="list-style-type: none"> Optimize cost / inclusion of expensive palatants Dogs & pet owners love the product
Process Consistency = <ul style="list-style-type: none"> Higher Purity Much higher stability 	<ul style="list-style-type: none"> RCF process eliminates non-fat impurities Lot-to-lot uniformity – tighter specifications Far better shelf life & product quality 	<ul style="list-style-type: none"> Higher nutrient density = pure fat - no "extras" Minimize process variation, expense Significant cost savings on expensive AOX!
Supports "Clean Label" E. U. Certification (Q320)	<ul style="list-style-type: none"> Labeled simply as "Chicken Fat" Value for exporters 	<ul style="list-style-type: none"> No change, cost impact vs. current label Key benefit to serve markets beyond the U.S.
Limits Need for Additives	<ul style="list-style-type: none"> Minimized microbial load reduces need for chemical additives 	<ul style="list-style-type: none"> Ingredient, handling, and process cost, simplification & control
Improved Process Efficiency	<ul style="list-style-type: none"> Residual, non-fat compounds are eliminated 	<ul style="list-style-type: none"> Easier to handle/pump - reduced agitation Reduced process maintenance and cleanup cost – extend run times, simplify cleaning, etc.
Clean & Green! Model for the inevitable scrutiny that will be focused on petfood in the future.	<ul style="list-style-type: none"> No chemicals in our refining process Focused on sustainability ZERO waste – full circle process 	<ul style="list-style-type: none"> Natural from start to finish Sustainable process with large scale ease Environmentally friendly technology A model for petfood as scrutiny increases
Potential Health Benefits	<ul style="list-style-type: none"> Reduced salts & metals 	<ul style="list-style-type: none"> Possible joint and kidney health improvement



Bottom Line: **GOLD SHIELD™** RCF

- *Salmonella* contamination is a significant risk in pet food.
- Best ways to reduce the risk are through a well-maintained high-quality manufacturing process and pure ingredients.
- **GOLD SHIELD™** RCF has higher purity and offers many benefits.
 - Bacteriostatic (reduced *Salmonella* risk)
 - Better palatability
 - Superior Stability / Shelf Life
 - Operationally beneficial
- Depending on the formulation, AOX and maintenance savings, and reduced salmonella hits, this may pay for itself...and more.

May we be your brand's best friend?



GOLD SHIELD™
PetFoodSolutions.com

Thank You!

www.petfoodsolutions.com

Direct Business Contact:

Craig.Grantham@petfoodsolutions.com

(916) 770-6527