



Using Aras Innovator[®] for Formula & Recipe Management

Implementation by <u>PSC</u>

www.psclistens.com



Project Scope



- Full enterprise PLM deployment for formula & recipe management
- Single integrated global PLM platform using Aras Innovator
- 100% web-browser access with security
- Role-based user interface for "need to know" visibility
- Email alerts, Bar Code & QR Code integrations
- Flexible functionality with customization, extensibility and integration to other enterprise systems
- Deployment is running in production

Overview



- Includes Finished Good Items / SKUs
 - Finished Goods Item
 - Primary Packaging Item & Secondary Packaging Item
- Includes Formulation functionality for WIP Items
 - Raw materials at volumetric rates at the press
 - Tool & Die and processing information
- Includes Recipe functionality
 - Linked to Finished Goods
 - List of Ingredients & Instructions
 - Cook time and Preparation time
- Includes Nutrition functionality
 - Leveraged within WIP Formulation
 - Leveraged within Recipe management
- Includes Packaging & Labeling functionality
 - Labeling & Artwork with Geographic variations, Bar Codes, QR Codes
 - Primary commercial packaging
 - Secondary packaging, cases, pallets
- Much more included as well



Formulas & Recipes



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		ALCH LE	Formula Master	Formula Number		63 64 L	n a 2,000 calorie diet.	Organic		
			Created By Created On Modified By Modified On .	Formula Ingredient Statement						
	Date Code Type 2YEAR Package Length 10.59- Package Width 1.344 Package Height 2.719		Looked By	Formula Allergen S Formula Allergens	Wheat Egg Fish	14.8				

Finished Goods BOM



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Item Number	Item Description	6-Digit WIP [] Die No		Sequence	Quantity	Scrap Factor	Facility		
200028	BOX-RET(BB06) 20/CL05		Materials - Box	2	1.000000		frome lange		
403798	*(CL05)LINGUINE-16 oz CB R3		Materials - Carton	8	20.000000		from prop		
30017511206	04-BLUE-LINGUINE	<u>300175</u> 004	Pasta - Long Goods	10	20.000000		Longe Longe		
200028	BOX-RET(BB06) 20/CL05		Materials - Box	2	1.000000		Courtes		
403798	*(CL05)LINGUINE-16 oz CB R3		Materials - Carton	8	20.000000		Courtes		
30017521252	04-BLUE-LINGUINE	<u>300175</u> <u>004</u>	Pasta - Long Goods	10	20.000000		Courtes		

WIP Item - Properties



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		Item Status 00-Active			v]	PLC Code			V	
		Item Number 300175					Item Type	WIP-Mfg	~		
		Item Description 04-BLUE-LIN	IGUINE				Item Class WIP-Past				
Item	Master	Item Extra Description					Item Category	WIP			
WIP Iter	m Image	Standard Of Identity Enriched Ma	Enriched Macaroni, Spaghetti, Vermicelli Product				Country Of Origin	United States	7		
-	///	WIP Product Name Linguine					Organic	No 💌			
Product Description Dough units formed through a teflon die into narrow flat strands, then dried.						<u>▲</u>	Group Tech 1				
Die No 004 LINGUINE Shape Linguine					Group Tech 2	4					
		Area Pasta - Long Goods	$\overline{\mathbf{v}}$	Formula	No. <u>FRM-00001</u>	L	Blue Blend (Plain)				
		Blend BLUE		Househo	ld Measure		· 2 oz (56g/fraction	of pkg) Formu	la Rev Level 1		
		Additive.	v	Cook Tin	ne		10-11 Minutes	Formu	la+Die <u>FRM</u>	00001004	
		Special Instructions					Y	Regrin	d Max 10	%	
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Seq	Property Type	Property	Minimum	Target	Maximum		Descriptive Results	1 11	Method	Report on COA	
408	Physical Product	Cooler Length (if 10")	9.000	10.000	11.000	in	Descriptive Results	Frequency	Internal	Report of COA	
410	Physical Product	Cooler Length (if 20'')	19.000	20.000	21.000	in			Internal		
412	Physical Product	Thickness	0.052	0.055	0.058	in .			Internal		
414	Physical Product	Width/Diameter	0.095	0.098	0.101	in			Internal		
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WIP Item - Quality



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		Item Status 00-Active		~	PLC Code			V	
		Item Number			Item Type	WIP-Mfg	V		
		Item Description 04-BLUE-LINGUIN	E		Item Class	WIP-Past		$\overline{\mathbf{v}}$	
Item Mas	ter	Item Extra Description			Item Categor	y WIP			
WIP Item Imag	e	Standard Of Identity Enriched Macaroni	, Spaghetti, Vermicelli Proc	duct	Country Of Or	rigin United States	v		
	///	WIP Product Name Linguine			Organic	No 💌			
		Product Description Dough units forme strands, then drie	ed through a teflon die into d.	narrow flat	Group Tech 1				
117			Change 1						
	Blend BLUE Household Measure 2 oz (56g/fraction of pkg) Formula Rev Level. 1								
		Additive	Cook Tim	ie	10-11 Minutes	For	mula+Die E -	<u>-RM-00001004</u>	
		Special Instructions			<u> </u>	Reg	rind Max [10 %	
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Seg	Property Type	Property	Minimum	Target	Maximum	UOM	Frequency	Method	•
874	Microbiological	Salmonella		. orgot	Negative			FDA BAM	
876	Defects	Checked			5	%		Visual	
878	Defects	Broken			10	%		Visual	
880	Defects	Shorts/Longs (Combined)			10	%		Visual	
882	Defects	Visual Deformities			10	%		Visual	
884	Defects	Total combination not to exceed			15	%		Visual	
886	Chemical	Protein	12			%		AOAC/AACC	-
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DIE Information



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0	Die Status Active		Insert State Production	Area Pa	sta - Long Goods	Die Group Flat
Die Master	Die Description LINGUINE			Facilities		
Created_By_Id		Minimum	Target	Maximum	UOM	
Created_On 6/10/2010 11;49:03 AM	Insert Order Thickness:	0.052	0.053	0.054	Inches	
Modified_By_id	Product Thickness:	0.052		0.058	Inches	
Modified_On 7/22/2010 1:40:30 PM	Width / Diameter:	0.095	0.098	0.101	Inches	
Locked_By_id	Number Of Ridges:					
	Ridge Height:					
	Twists:					
	Curl Height					
	Die Notes	tefion inserts s		A V		
Comments Artifacts Change History						

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WIP Item



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1000	Item Status 00-Active	V	PLC Code
	Item Number 300175		Item Type WIP-Mfg
	Item Description 04-BLUE-LINGUINE		Item Class WIP-Past
Item Master	Item Extra Description		Item Category WIP
WIP Item Image	Standard Of Identity Enriched Macaroni, Spaghetti	, Vermicelli Product	Country Of Origin United States
	WIP Product Name Linguine		OrganicNo 💌
	Product Description Bough units formed through a strands, then dried.	a teflon die into narrow flat 🔺	Group Tech 1
///	Die No 004	Shape Linguine	Group Tech 2 4
	Area Pasta - Long Goods	Formula No. FRM-00001	Blue Blend (Plain)
	Blend BLUE	Household Measure	2 oz (56g/fraction of pkg) Formula Rev Level. 1
	Additive.	Cook Time	10-11 Minutes Formula+Die FRM-0000 1004
	Special Instructions		Regrind Max 10 %

riopercies										
Seq	Property Type	Property	Minimum	Target	Maximum	UOM	Frequency	Method		
874	Microbiological	Salmonella			Negative			FDA BAM		
876	Defects	Checked			5	%		Visual		
878	Defects	Broken			10	%		Visual		
880	Defects	Shorts/Longs (Combined)			10	%		Visual		
882	Defects	Visual Deformities			10	%		Visual		
884	Defects	Total combination not to exceed			15	%		Visual		
886	Chemical	Protein	12			%		AOAC/AACC		
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Formula - Claims



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*		Active FRM-00001 Blue Blend (Plain)	Organic No 💌 Formula Revision 1
Formula Master	Formula Nutrition Foot Note	* Percent Daily Values are based on a 2,000 calorie diet	
Create By Created On 5/21/2010 11;27;41 A Modified By	M Formula Ingredient Statement	Durum Semolina, Niacin, Ferrous Sulfate (Iron), Thiamin	
Modified On 8/19/2010 1:46:18 PM Locked By	Formula Allergen Statement	Contains Wheat Ingredients. Processed in a facility tha	t uses egg.
	Formula Allergens	Wheat Egg Fish Shellfish Peanuts Treenuts Soy Milk	
\frown	Standard Of Identity	nriched Macaroni, Spaghetti, Vermicelli Product	
Claims Sensory Nutrition	on 🛛 Press Formulation 🔹 Comments	/ Notes / Remarks Artifacts Change Histo	
Eligible Claim	Label F	lequirements []	CFR_Reference []
Og Trans Fat Per Serving	No additional label requirements.		
Pasta A Cholesterol Free Food	Less than 2mg per RACC and per labeled servin	g. If a cholesterol nutrient content claim is made, poly \ldots	21 CFR 101.9 21 CFR 101.62
Pasta A Low Fat Food	3g of fat or less per RACC. If a fat nutrient cont	ent claim is made, poly and mono unstaruated fats are r	21 CFR 101.9 21 CFR 101.62
Pasta A Low Sodium Food	140mg or less per RACC. No additional label re-	quirements.	21 CFR 101.61

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Formula - Sensory



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*	Formula Number FRM-00001 Formula Description Blue Blend (Plain)	Organic
Formula Master	Formula Nutrition Foot Note * Percent Daily Values are based on a 2,000 calorie diet.	
Create By Created On 5/21/2010 11:27:41 AM Modified By.	1 Formula Ingredient Statement	Riboflavin, Folic Acid.
Modified On. 8/19/2010 1:46:18 PM Locked By	Formula Allergen Statement	* *
	Wheat Egg Fish Shellfish Peaputs	
Claims Sensory Nutrition	n Press Formulation Comments / Notes / Remarks Artifacts Change History	
	Sensory Properties	Method
	Appearance: Light to medium amber, opaque	Visual

Aroma:	Typical wheat pasta, no off odors	Organo	oleptic
Texture:	Firm, not mushy or starchy; smooth, uniform chew and bite	Organo	oleptic
Flavor:	Typical wheat pasta, no off odors	Organo	oleptic

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Formula - Nutrition



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•	¢.		Formula NumberF	Blue Blend (Plair					a Revision 1	•
F	orm	ula Master	Formula Nutrition Foot Note	* Percent Daily	Values are	e based on a 2	,000 calorie diet.		A V	
Creat	Create By Create On 5/21/2010 11:27:41 AM Formula Ingredient Statement.									
	led On d By	8/19/2010 1:46:18 P	PM Formula Allergen Statement	Contains Wheat	t Ingredier	nts. Processe	d in a facility that	uses egg.	A	
			Eormula Allergens	Wheat 5gg Fish Shellfish Reaputs	Wheat					•
	aims ons 🔻	Sensory Nutr	ition Press Formulation Comments	/ Notes / Rema		Artifacts ch Criteri 👻	Change Histor		à ee fa fila B	
	Seq	Nutrition Language	Nutrition Description	100g	UOM					
	128	English	Calories	371.12 k	cal					
	256	English	Calories from Fat	17.74 k	cal					
	384	English	Total Fat	1.97 g	2					
	512	English	Saturated Fat	0.29 §	2					
	640	English	Polyunsaturated Fat	1.04 9	2					
	640	English	Trans Fat		2					
	768	English	Monounsaturated Fat	0.28 g	2					
	896	English	Cholesterol		ng					
	1024	English	Sodium		ng					
	1152	English	Total Carbohydrate	73.52 \$	2					•
Rea	dy				Items 1-2	22 of 22. Page	1 of 1		^a INNOVATOR	_//

Formula - Press Formulation

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₩.	Formula Num	ber	Active FRM-00006 Green Premium Garden 1/3:1/3 (5.5%):1/3 (5.5%) * Percent Daily Values are based on a 2,000 calorie diet.	Organic Formula Revisio	No 💌 n 1			
Formula Master	Formula Nutri	tion Foot Note						
Create By Create D 5/21/2010 11:27:44 AM Formula Ingredient Statement Semolina, Durum Flour, Spinach Powder, Tomato Powder, Niacin, Ferrous Sulfate (Iron), Thiamine Mononitrate, Riboflavin, Folic Acid. Totaling On 8/19/2010 11:46:05 AM Locked By								
	Formula Allergens							
Claims Sensory Nu	trition Press Formulation	Commant	s / Notes / Remarks Artifacts Change History					
Actions - No Related				= += 🛕 📾				
Item Number []	Item Number 2 []	Additive / Blend	Description	Additive Rate%	Seq			
GREEN		Blend	GREEN BLEND (60 Blue / 40 Flour)		120			
100516		Additive	SPINACH POWDER	5.50	130			
GREEN		Blend	GREEN BLEND (60 Blue / 40 Flour)		140			

TOMATO POWDER

Additive

100517

Ready

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150

5.50

WIP Item



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1000	Item Status 00-Active	Y	/	PLC Code
	Item Number 300175		/	Item Type
	Item Description 04-BLUE-LINGUINE			Item Class WIP-Past
Item Master	Item Extra Description			Item Category , WIP
WIP Item Image	Standard Of Identity Enriched Macaroni, Spaghetti,	Vermicelli Product		Country Of Origin . United States
	WIP Product Name Linguine			Organic No 💌
	Product Description Dough units formed through a strands, then dried.	teflon die into narrow flat 🔺		Group Tech 1
11	Die No 004	Shape Linguine		Group Tech 2 4
	Area Pasta - Long Goods	Formula No. FRM-00001		Blue Blend (Plain)
	Blend BLUE	Household Measure	•••••	2 oz (56g/fraction of pkg) Formula Rev Level 1
	Additive.	Cook Time		10-11 Minutes Formula+Die FRM-00001004
	Special Instructions		4	Regrind Max 10 %

Properties Quality Approved Supplier Comments Artifacts Regulatory Change History Actions • No Related •											
Seq	Property Type	Property	Minimum	Target	Maximum	UOM	Frequency	Method			
874	Microbiological	Salmonella			Negative			FDA BAM			
876	Defects	Checked			5	%		Visual			
878	Defects	Broken			10	%		Visual			
880	Defects	Shorts/Longs (Combined)			10	%		Visual			
882	Defects	Visual Deformities			10	%		Visual			
884	Defects	Total combination not to exceed			15	%		Visual			
886	Chemical	Protein	12			%		AOAC/AACC	-		
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Ready	eady Items 1-12 of 12. Page 1 of 1										

Cook Time



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Formula Number <u>FRM</u>	-00006 Green Premium Garden 1/3:1	/3 (5 5%) 1/3 (5 5%)
Die Number	oreen remain ourden 1/5/1	10 (010 /0] 110 (010 /0]
Cook Time	(orac) roma	
Cook Time Household Measure 3/4		
Created_By_Id		
Created_On 7/1/2010 4:34:37 PM		
Nodified_By_id		
Modified_On 7/1/2010 4:34:37 PM		
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100	Item Status 00-Active	PLC Code
	Item Number	Item Type WIP-Mfg
	Item Description04-BLUE-LINGUINE	Item Class WIP-Past
Item Master	Item Extra Description	Item Category WIP
WIP Item Image	Standard Of Identity Enriched Macaroni, Spaghetti, Vermicelli Product	Country Of Origin. United States
	WIP Product Name Linguine	Organic No 🔽
	Product Description Dough units formed through a teflon die into narrow flat strands, then dried.	Group Tech 1
///	Die No 004 LINGUINE Shape Linguine	Group Tech 2 4
	Area Pasta - Long Goods Formula No. FRM-00001	Blue Blend (Plain)
	Blend BLUE Household Measure	••• 2 oz (56g/fraction of pkg) Formula Rev Level 1
	Additive Cook Time	ID-11 Minutes Formula+Die FRM-00001004
	Special Instructions	Regrind Max 10 %

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Seq	Property Type	Property	Minimum	Target	Maximum	UOM	Frequency	Method	
874	Microbiological	Salmonella			Negative			FDA BAM	
876	Defects	Checked			5	%		Visual	
878	Defects	Broken			10	%		Visual	
880	Defects	Shorts/Longs (Combined)			10	%		Visual	
882	Defects	Visual Deformities			10	%		Visual	
884	Defects	Total combination not to exceed			15	%		Visual	
886	Chemical	Protein	12			%		AOAC/AACC	-
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Finished Goods

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Item Master	Item Status 00-Active	V	PLC Code	V
	Item Number 620643		Item Type FG-Mfg	
Thumbnail	Item Description	20/1 (2002)	Item Class FG-	
	Item Extra Description. 0002920000220	01	Item Category Finished Good	
Linguiter			Country Of Origin UNITED STATES	
A DIVENTIAL OF	Die No	Shape. Linguine	Shelf Life 730	
	Area Pasta - Long Goods	V	Customer Code	
	Label	-	Primary Packaging. 403798	Secondary Packaging. 200028
	Nutrition Key	Specification Item 300175		
	Organic	SUPN Number	Certified By.	

FG-	PKG BOM	Approved Supplier (Comments Artifacts	Regulatory	Change History				
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	ltem Number	Item Description	6-Digit W	P [] Die No	Area	Sequence	Quantity	Scrap Factor	Facility
2	00028	BOX-RET(BB06) 20/CL05			Materials - Box	2	1.000000		frontes (prop
4	03798	*(CL05)LINGUINE-16 oz	CB R3		Materials - Carton	8	20.000000		fronter famp
3	0017511206	04-BLUE-LINGUINE	<u>300175</u>	004	Pasta - Long Goods	10	20.000000		from the design
2	00028	BOX-RET(BB06) 20/CL05			Materials - Box	2	1.000000		Course
4	03798	*(CL05)LINGUINE-16 oz	CB R3		Materials - Carton	8	20.000000		Course
3	0017521252	04-BLUE-LINGUINE	<u>300175</u>	004	Pasta - Long Goods	10	20.000000		Courses

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Primary Packaging TreeHouse It's all in the way we listen corp aras File Edit Views Search Actions Reports Tools Help 🗋 🖪 🖻 ۲ 🛁 🐳 đ 10 4 -24 ы \mathbf{x} W -Status..... 00-Active PLC Code..... **Carton Item** Item Number. 403798 Item Type.....C RM-Materials -Item Description..... *(CL05)LINGUINE-16 oz CB R3 Item Class..... FF RM-Carton ∇

Item Extra Description. upc-29200-00220

Shelf Dimensions

Die No.

0.0

Label.

Classification Packaging Carte		Length 10.594 Inches	Width 1.344 Inches	Height 2.719 Inches	7	Pkg Net Weight Statement Net WT 16 OZ (1 LB) 454g
		Consumable GTIN 00029200002201	L			Barcode
Pkg Carton	Pka Colors	Approved Supplier Comments A	Artifacts Change History			

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		<u>CL05</u>	0.016	(<u>TW-00045</u>	16.00	1.00	454		
KD / Supplier Qty			Group Tech Caliper	Ovend Caliper	Target Weight ID		Weight (bs)	Weight (grams)		
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r kg curton p	rkg Colors Ap	provedSupplier	Comments Art	iracts Chang	le History					

Item Category..... Packaging Group Tech Code. . CL05

Group Tech Code 2. 20/1

Target Weight



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Primary Packaging - Colors

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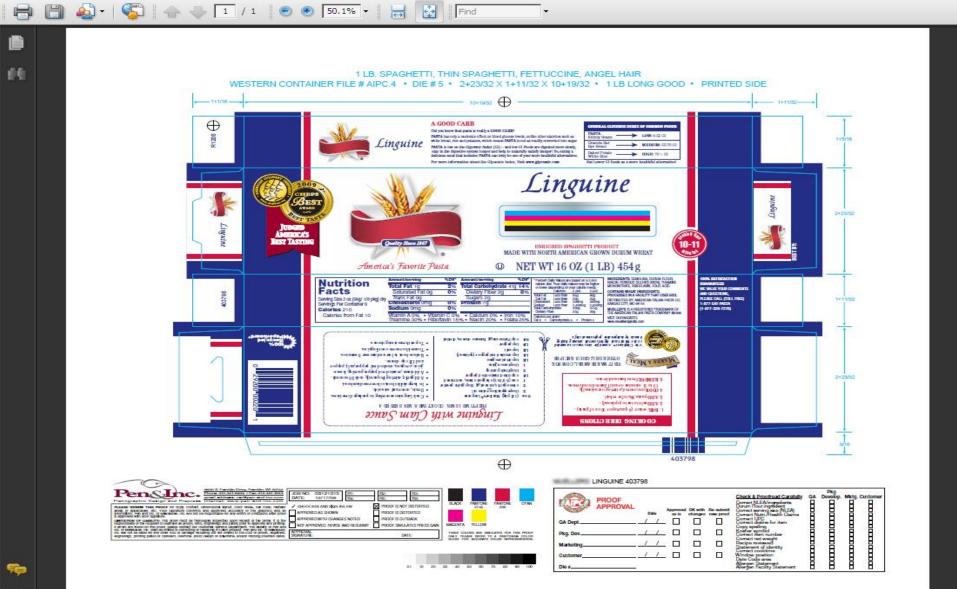
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Primary Packaging - Artifacts

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Packaging - Artwork



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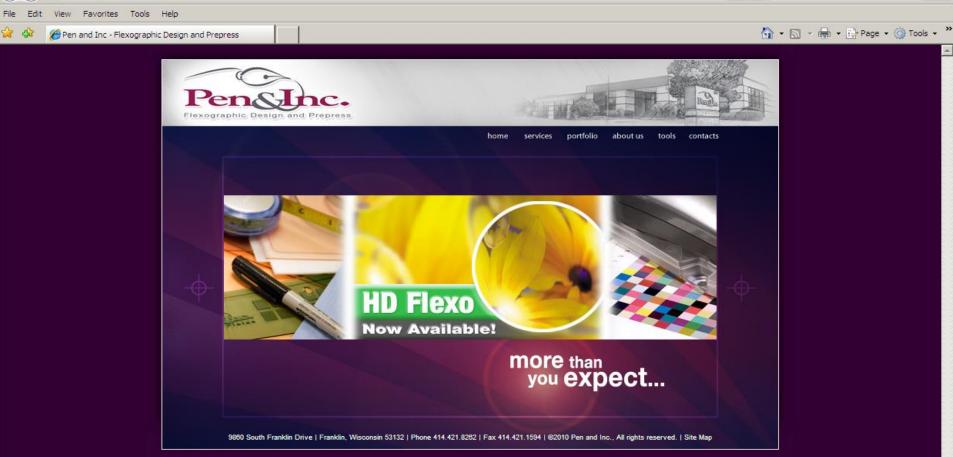
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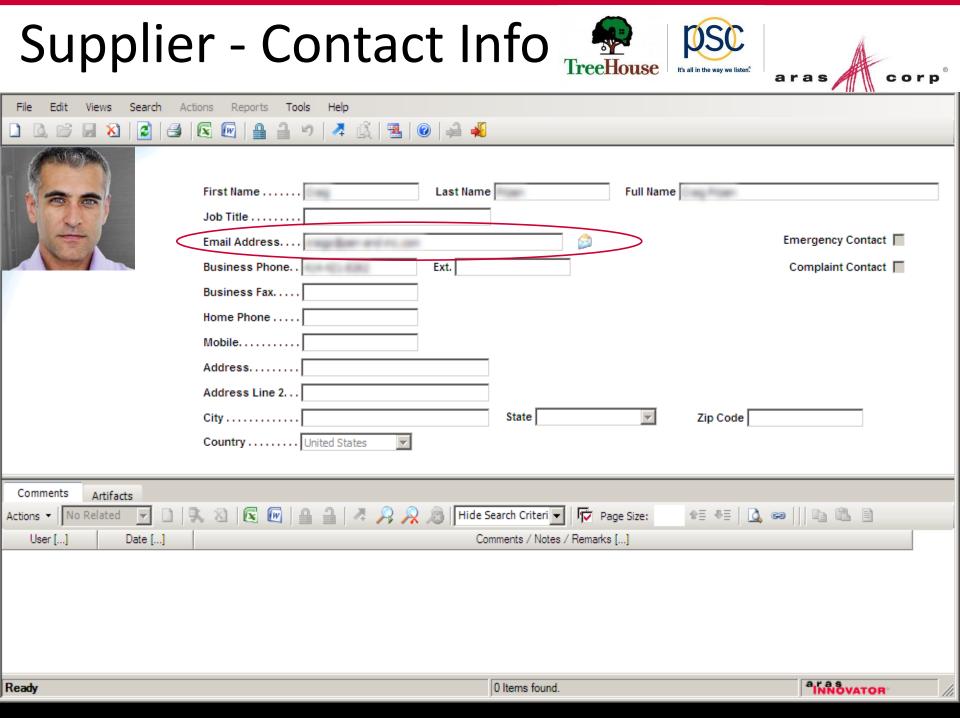
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Finished Goods - Where Used

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Finished Goods - Where Used

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Item Master Hen Number Specification Hen Type Fe-Mfg Tumbnail Hem Description. LVGUNE-20/1 (2002) Hem Class. Fe- Item Extra Description. D002200002201 Hem Class. Fe- Item Class. Die No. 002 Shape. Inguine Shelf Life. 700 Area Pasta - Long Goods Customer Code. Primary Packaging. 50228 Secondary Packaging. 20028 FG-FKG BOM ApprovedSupplier Comments Atfacts Regulatory Chage History Certified By. Item Size 200002205 FG-FKG BOM ApprovedSupplier Comments Atfacts Regulatory Chage History Orderable GTIN: 2002200002205 Packaging Class RM-Carton Secondary Orderable GTIN: 2002200002205 Orderable GTIN: 2002200002205 Date Formati EST Consumable GTIN 2002200002201 Secondary Orderable GTIN: 2002200002205 Date Code Type: Creat Consumable GTIN 2002200002201 Orderable GTIN: 2002200002205 Orderable GTIN: 2002200002205 Date Code Type: Creat Consumable GTIN 2002200002201 Orderable GTIN: 2002200002205 Orderable GTIN: 2002200002205 <t< th=""><th></th><th></th><th>L @ 🖨 📲</th><th></th><th></th></t<>			L @ 🖨 📲		
The packaging information below is associated with a finished Good item. Attributes for the packaging item itself will be viewed for that specific item. Group Tech Code1 Packaging Class RM-Carton Group Tech Code 2 ALV: 11-SIZE: 10 Primary Consumable GTIN 0002920002201 Orderable GTIN: 2002920002205 Date Format BEST BEST BY: MMDDYY PS Date Format BESTCS BEST BY: MMDDYY PS T Date Code Type 2YEAR TODAY + 2 YEAR Date Code Type: 2YEAR TODAY + 2 YEAR Package Length 10.594 Inches UOM Case Length Inches UOM Package Height 2.719 UOM Case Height Inches UOM	Item Master Thumbnail Iter	m Status	-20/1 (2002) 01 Shape. Linguine Specification Item <u>300175</u> SUPN Number	Item Type Item Class Item Category Country Of Ori Shelf Life Customer Coo Primary Packa	FG-Mfg FG- FG- FG- Finished Good igin. JNITED STATES 730 de rging. <u>403798</u> Secondary Packaging. <u>200028</u>
Max Prod Size Pounds Units Per Case 20 Case UOM Pallet Net Weight Per Case 20.000 Pounds Units Per Pallet Gross Weight Per Case 22.100 Pounds Volume Per Unit 0.569 Cubic Feet	Packaging Class RM-Carton Primary Consumat Date Format BEST Date Code Type 2YEAR Package Length 10.594 Package Width 1.344 Package Height 2.719 Max Prod Size Pallet	The packaging informatic Finished Good item. Attri itself will be viewed for th oble GTIN 00029200002201 ble UPC 00029200002201 BEST BY: MMDDYY PS TODAY+2 YEAR Inches VOM Inches VOM	on below is associated with a butes for the packaging item for the packaging item. Group Tech Conservation of the packaging item for the	ALV: 11-SIZE: 10 Orderable GTIN: 20 Orderable UPC 20 ESTCS IVEAR 1.500 7.438 1.500 0 0.000 2.100	D029200002205 BEST BY: MMDDYY PS T TODAY +2 YEAR Inches UOM Inches UOM Case**** UOM Pounds VOM VOM

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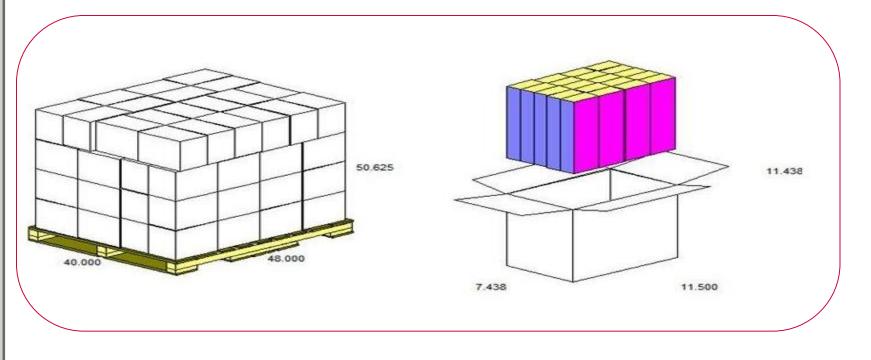
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Recipe Information

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e Wale	Recipe Number Recipe Name Alternate Name	Dad's Favorite Steak Dinner		1		Recipe Status Active	1
RECIPES	Recipe Description.		adding pasta to your steak dinner.			Image (Yes/No) Yes 💌 Image Shape Linguine	
	Preparation Time	15 Min	Formulation. Traditional		Dish Type Main Course 🗾	Consumer Segment Budget Conscious 🗾	
	Cook Time	. 25 Min	Signature No 🔽		Cooking Form Stove Top 📃	Associated Category	
	Serves	. 4 - 6	Tested	_	Hot/ Cold	Associated Cuisine	
	No. Ingredients	. 8	Skill Level Medium Repertoire	×	Wine Pairing Silver Oak Cabernet S	auvignon	
	Ingredients	"8 ounces Linguine 3 cups (about 1/2 lb) broccoli flo 1 tablespoon olive oil 1 garlic clove, minced 1 pound beef sirloin steak, sliced 3 carrots, cut into matchstick siz 1/4 cup Asian sesame dressing 1/4 cup teriyaki sauce"	1	4			
	Directions	minutes of cooking; drain. Heat stir for 1 minute. Add beef; cool	e directions. Add broccoli during last 3 oil in large skillet; add garlic; cook and k and stir until browned. Add remaining stirring occasionally. Add pasta and	< N			
	Recipe Hints	Freeze beef for 20 minutes prio	r to slicing to make cutting easier.	4		1 a Co	T
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T	Recipe Number REC-00009 Recipe Name Dad's Favorite Steak Dinner Alternate Name Stretch your dinner budget by adding pasta to your steak dinner.	Recipe Status Active
RECIPES	Recipe Description Preparation Time 15 Min Formulation. Traditional	Image (Yes/No) Yes 💌 Image Shape Linguine 💌 Dish Type Main Course 💌 Consumer Segment Budget Conscious 💌
	Cook Time	Cooking Form Stove Top Associated Category
	Serves 4 - 6 Tested	Hot/ Cold Hot 💌 Associated Cuisine
	No. Ingredients 8 Skill Level Medium Repertoire 💌	Wine Pairing Silver Oak Cabernet Sauvignon
	"8 ounces Linguine 3 cups (about 1/2 lb) broccoli florets 1 tablespoon olive oil 1 garlic dove, minced 1 pound beef sirloin steak, sliced 3 carrots, cut into matchstick size sticks 1/4 cup Asian sesame dressing 1/4 cup teriyaki sauce"	
	Cook pasta according to package directions. Add broccoli during last 3 minutes of cooking; drain. Heat oil in large skillet; add garlic; cook and stir for 1 minute. Add beef; cook and stir until browned. Add remaining ingredients; cook for 2 minutes, stirring occasionally. Add pasta and broccoli; mix well.	
	Recipe Hints Freeze beef for 20 minutes prior to slicing to make cutting easier.	
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Recipe - Alternatives



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		Recipe Number Recipe Name Alternate Name	SHRIMP WITH ALFREDO SAU	JCE			Recipe Status	Active		4
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	anterina - Anton	Preparation Time		Formulation. Traditional	Dish Type	Main Course 💌	Consumer Segr	nent	•	
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		Serves	. 6 to 8	Tested	Hot/ Cold F	Hot 💌	Associated Cuis	ine	•	
		No. Ingredients	. 6	Skill Level	Wine Pairing					
		Ingredients	1 (16-ounce) package 1 pound raw large shrimp, p 1/3 cup chopped fresh basil o 3 tablespoons olive oil cup dry white wine 1 (20-ounce) jar (Alfredo) pas Salt and pepper	r parsley		CALL C	Clear			
		Directions	 minutes or until shrimp are pir evaporated, about 1 minute. 	lirects; drain. eat, cook shrimp and basil in oil for 2 to 3 nk. Add wine; cook until most of wine has Add pasta sauce; heat through. Season to erve shrimp mixture with hot angel hair.			I			_
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Recipe - Nutrition



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Recipe Description Stretch your dinner budget by adding pasta to your steak dinner. A Image (Yes/No) Yes Image Shape Linguine	<u></u>
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Cook Time 25 Min Signature No 🔽 Cooking Form. Stove Top 🔽 Associated Category.	V
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No. Ingredients 8 Skill Level Medium Repertoire 🗹 Wine Pairing Silver Oak Cabernet Sauvignon	
"8 ounces Linguine 3 cups (about 1/2 lb) broccoli florets 1 tablespoon olive oil 1 garlic clove, minced 1 pound beef sirloin steak, sliced 3 carrots, cut into matchstick size sticks 1/4 cup Asian sesame dressing 1/4 cup teriyaki sauce"	
Directions	
Recipe Hints Freeze beef for 20 minutes prior to slicing to make cutting easier.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
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Recipe - Images

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Construction of the Article of the A	Preparation Time	5 Min	Formu	Ilation. Traditional	V	Dish Type	Soup	- Co	nsumer Segm	ent	~	
	Cook Time	30 Min	Signat	ture 📃 💌		Cooking Form		As	sociated Categ	jory		
	Serves	6	Teste	d		Hot/ Cold	lot 💌	As	sociated Cuisi	ne	~	
	No. Ingredients	9	Skill L	evel	V	Wine Pairing						
	Ingredients	12 oz (1/2 pkg) 1 lb Lean ground beef or tu 1 Cup chopped onion 1 Can (14-1/2 oz) chopped 2 Cups water 1 Can (8 oz) tomato sauce 1 Tablespoon chili powder 1 Teaspoon cumin	urkey I tomatoes	ge Elbow Macaroni								
	Directions	Brown ground beef and on tomato sauce and seasonir simmer 10 minutes.Stir in u beans.Bring to a boil; reduc until pasta is tender, stirrin	ngs; bring to a incooked elbow ce heat to med	boil.Reduce heat; co macaroni and kidney lium.Simmer 7 to 8 mi	ver and				J.			
	Recipe Hints				A P		T	NGC 44			1 St	Ţ
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